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Future Farmer
Owned and Published by the Future Farmers of America
(ISSN 0027-9315)
Volume 27 Number 4
April-May, 1979

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A Word With The Editor

Small world. How often have you heard that? There was another example recently and I would like to share it with you. While in Japan with your National Officers in February, we visited with the Future Farmers of Japan and several agricultural teachers who are leaders in that organization. One of our interpreters was a student by the name of Takashige Masuda who had the distinction of being a member of both the FFJ and the FFA. Takashige had been an exchange student in California and attended high school while there. As the meeting came to a close, we passed out copies of the February-March, 1979, issue of *The National FUTURE FARMER.* This is the issue that featured on the cover and in an article Ralph Kuramoto, an FFA member of Japanese ancestry, who lives in Sanger, California. As Takashige took the magazine and looked at the cover, he paused. Then he exclaimed in excitement. "That's my friend!!! That's my best friend!!!" The story briefly is that when Takashige was in the United States he attended the same high school as Ralph and they became close friends and spent a lot of time together. This seemingly small incident seemed to strengthen the warm friendship that had already been established between the FFA and the FFJ. They had even more in common than they originally thought. Small world, isn't it?

FFA President Sanborn presents a plaque to FFJ President Hiroshi Saito as the organizations exchange gifts. Takashige Masuda, mentioned above, is at left. Nobuaki Tanaka, FFJ vice president, is third from right.

Wilson Carnes

In This Issue

Touring the U.S. 9
Swinging a Big Wrench 13
Chapter of Craftsmen 16
Words from Winners 22
Japan 24
World Pig Sale 30
Welding Wonders 36
Safe or Out? 38
FFA at 50—A Stamp 40
A Star's Reflection 46
American Success Story 48
FFA's Wartime Leaders 63

In Every Issue

Looking Ahead 5
News in Brief 6
From the Mailbag 8
Chapter Scoop 44
FFA in Action 52
The Joke Page 66

The Cover

The ability to create with the hands by applying the mind's knowledge has long been a satisfying endeavor for people of the farm. Welding is but one of the mechanical skills enjoyed by Julian Brown, at work behind the shield. Find this FFA member's story on page 13.

Cover photo by Jeffrey Tennant

CHANGE OF ADDRESS: Send both old and new addresses to Circulation Department, *The National FUTURE FARMER,* P.O. Box 15130, Alexandria, Virginia 22309.

CORRESPONDENCE: Address all correspondence to: *The National FUTURE FARMER,* P.O. Box 15130, Alexandria, Virginia 22309. Offices are located at the National FFA Center at 5630 Mount Vernon Highway, Alexandria, Virginia 22309.

The National FUTURE FARMER is published bimonthly by the Future Farmers of America at 5630 Mount Vernon Highway, Alexandria, Virginia 22309. Second class postage paid at Alexandria, Virginia, and at additional mailings offices. Copyright 1979 by the Future Farmers of America.

Single subscription, $1.00 per year in U.S. and possessions. FFA members 75¢ paid with dues. Single copy 50¢; two-four copies 30¢ each, five or more 25¢ each. Foreign subscriptions, $1.00 plus 50¢ extra for postage.

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LOOKING AHEAD

DIPLOMATIC TIES WITH CHINA will eventually expand U.S. farm trade with the giant of the East. However, the USDA says Chinese imports of U.S. products will not boom immediately because improving political relations had already led to increased trade. As one of the world's largest producers of rice, wheat, corn and sorghum, China is mainly an exporting nation of agricultural products. However, the communist nation could become significant buyers of U.S. agricultural equipment, farm chemicals and foodstuffs. The cessation of diplomatic relations with Taiwan is not expected to halt the upward trend in American farm exports to that island. In fact, officials estimate the Taiwanese to contract at least a $71 million increase in orders of soybeans, corn, cotton and tobacco.

WHAT DO NON-FARM PEOPLE think of the American farmer? According to a recent nationwide survey conducted for the American Farm Bureau Federation, most of the public sees the farmer as proud, hard-working and independent. The study revealed a broad goodwill toward farmers, an attitude found among 68 percent of the respondents because farmers "grow our food" and "are the backbone of our country." Farmers also had their say in the questioning. Why do 78 percent enjoy their work? Listed reasons include meeting the challenge, being outdoors, working with the family and being their own boss.

DIRECT MARKETING OF BEEF, precluding middleman ownership, is under experiment in a two-year project at South Dakota State University. The pilot program allows cooperating producers to own and control beef through the entire marketing chain. The test aims at getting higher returns for producers of cattle with superior production and carcass traits while still providing consumers with quality beef at a fair price. University officials say the present marketing system tends to "average out" wide variations in true carcass value, a situation that has prompted the direct marketing trial.

THE LOWEST NUMBER OF FARMS since 1860 now operate in the U.S. USDA sets the figure at 2,330,000 under this definition of a farm: a place which has sales of agricultural products of $1,000 or more annually. The old definition, which if used would probably add thousands to the farm total, stated a farm was a place with ten acres or more and annual sales of $50, or less than ten acres with annual sales of $250. Also under the new definition, an average farm consists of 450 acres, with total farmland down 3.2 million acres from last year.

THE HUGE SUPERTRACTORS, with their corresponding weight and traction demands, have almost reached the operational limits of dual wheels. So say researchers at DMI, Inc., developers of the triple wheel system shown below. The company says the tripling system gets "all of the power possible to the ground," thereby fully utilizing the horsepower and operating efficiency of a large tractor. Besides the power advantage, DMI studies indicate a third set of wheels increases traction, distributes power and weight to the ground evenly for less compaction of the seedbed and enables faster vehicle speeds, thus saving time and fuel.

PETRIFIED COTTON could soon find its way into U.S. industry, an occurrence that would create an entirely new market for the cash crop that has dwindled in recent years. USDA scientists have developed the petrifying process, a somewhat similar-to-nature chemical procedure that transforms cotton into a glasslike lace. The glassy material has a unique property of easily and firmly bonding together glasses of different composition. Studies indicate the material may be of value to the field of solar energy as a light absorber or reflector.

FARM FAMILIES earn more money from off-farm sources than from their farming operations, according to a USDA report. Of each $100 of income received by farm operators, based on 1977 figures, $60 came from off the farm. The report says nearly all farms have off-farm income, but larger proportions are found on smaller farms.

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The FFA NEWS IN BRIEF

INTERNATIONAL VISITORS from 15 countries landed in our nation's capitol last month to begin their three, six or twelve month stay on American farms as Work Experience Abroad participants. Ricky Kimble of FFA's international staff says over 75 students arrived in the first of two groups from overseas. Another group begins their program in July. While in Washington, each student was counseled on American rural living for orientation purposes and introduced to agriculture attachés from various foreign embassies. Farms and agribusinesses throughout the nation will host the students.

A STUDY TOUR of France beginning in Washington, D.C., will become a reality for 20 U.S. farmers during August. The FFA Alumni Association, in cooperation with the French-American Foundation, has formed the two-week tour as an introduction to the principal aspects, regions and people of French agriculture. Most of the trip's cost will be paid by the Foundation. Woody Cox, Alumni's executive director, urges Alumni members aged 25-35 to apply through the Alumni office before the May 15 deadline. Fluency in French is not required. Forms and more information may be obtained from the FFA Alumni Association, P.O. Box 15058, Alexandria, VA, 22309.

ACTION WAS TAKEN regarding many areas of FFA activity during the last meeting of the National FFA Board of Directors. Items of particular interest included sustainment of the delegate-instated dues increase of 50 cents and the approval of the one dollar price hike for the official FFA jacket. The Board also voted to conduct a feasibility study on having a national creed speaking contest and determined that regional proficiency finalists, star farmer and agribusinessman finalists be required to bring supportive record books to the national convention for judges' use.

THE ANNUAL CAREER SHOW at the National FFA Convention will boast some new faces this year. Publishers and manufacturers or distributors of audio-visual material suitable for teaching vocational agriculture may now become exhibitors at the show. George Verzagt, career show manager, says the new entries will enhance the exhibition. "The show's emphasis will expand," he says, "to include displays of interest to students in post-secondary schools who may want to teach agriculture."

DON'T PUT OFF speaking with your advisor about participation in the upcoming national summer leadership conferences. Brochures containing application forms were mailed in mid-March to all vo-ag teachers. Reservations must be made on the form included with the brochure, no exceptions. Even if representatives' names aren't known, advisors may still reserve space for delegates. An outstanding team of leaders will staff this year's conference program, with Bobby Tucker serving as director. Kim Beck, Robb Boyd, Sam Brownback, Dee Sokolosky and Teresa Tesnohlidek are the slated counselors.

The national officer team recently met in Washington, D.C., with Vice President Walter Mondale and Secretary of Agriculture Bob Bergland. The group talked of FFA activities and the world situation in agriculture. The administrators' talks on foreign farm trade served as a briefing before the officers' tour of Japan. From left, Dean Norton, Secretary Bergland, Kelly Grant, Mark Sanborn, Vice President Mondale, Elvin Caraway, Jeff Rudd and Kevin Drane.

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Readers Report

MAILBAG

Elberon, New Jersey

I read the article "At Last! An FFA Magazine" with particular interest. I have a letter from your former staffer Bill Prince dated September 15, 1952. He sent a check for two cartoons—my first sales to the FFA magazine.

Incidentally, the phone number was 260, Engleside, Virginia.

It continues to be a pleasure drawing for FFA.

Stan Stamaty
Cartoonist for Charlie the Greenhand

Morland, Kansas

Though all issues of your magazine are most interesting, the latest issue is one of reminiscence to me. "At Last, An FFA Magazine" retells the story and the history of the publication.

I have all the issues since 1952 and a few numbers are of particular interest to me. These specials are framed and are hanging in the vocational agriculture classroom to be enjoyed by all those concerned with the FFA organization. They are: 1) Volume 1, Number 1—Fall 1952; 2) The 50th Anniversary FFA issue; 3) An autographed October-November, 1974, issue of President Ford and National FFA President Mark Mayfield; 4) A special section of the October-November, 1977, issue showing President Carter and National FFA President James Bode—autographed by both. (James Bode is a Geary, Oklahoma product—only a few miles from my home.)

To supplement this row of distinguished personalities, I also have an autographed copy of *The Kansas Future Farmer,* Winter, 1976-77, showing 1975-76 National FFA Vice-President Ron Wilson and Sam Brownback, National FFA Vice-President, 1976-77. Both are personal friends and are fellow Kansans.

My picture gallery receives many complimentary comments.

Oran Nunemaker

Shawnee Mission, Kansas

My copy of the magazine came to me one day last week when I was snowbound and therefore had a chance to read it from "kiver to kiver" in one sitting. Certainly you and your staff are to be congratulated for producing such a fine magazine.

As I was reading on that snowbound day, I could not help reminiscing a bit. I recalled the early days when the FFA was born in nearby Kansas City and struggled through the Great Depression days for survival, the dark World War II days and the flexibility in getting back to normal in the post-war days. A flexibility that made it possible to include agribusiness and still retain the time honored name and insignia. I felt that the declining number of bona fide farm boys made this change necessary.

It is my firm belief that there are two things that made the growth and stature of FFA possible. First, as mentioned above, and second, *The National FUTURE FARMER.* Please believe me I would not be "writing to the editor" if I didn't believe that to be true. Without it I believe the FFA could eventually deteriorate into a once-a-year affair and of benefit only to those who could attend the national convention here in Kansas City. I am not attempting to pose as a literary critic, but it seems to me that your coverage, so well planned and laid out is of such scope as to meet a wide range of interests.

And now as a token of sincerity of what I have written I am enclosing my check for one-year subscriptions for each of our four libraries, each of our five senior Shawnee Mission high schools and one three-year subscription for a special friend of the FFA.

Also I am glad to hear about the proposed FFA Hall of Achievement.

Harold D. Garver

Madison, Wisconsin

The Hall of Achievement campaign is in full swing. FFA chapters, collegiate groups and state leaders have all received information on and financial requests for the Hall of Achievement.

The first state FFA association to contribute was South Carolina, Mr. Frank R. Stover, advisor. The first two FFA chapter contributions received were from Sycamore FFA, Sycamore, Illinois, Mr. James Guilinger, advisor and Keil FFA, Keil, Wisconsin, Mr. Kelly Kramer, advisor. The first contribution from an individual came from Peg Armstrong of Newhall, Iowa.

Those groups, chapters and individuals wishing to contribute are asked to do so by May 14, 1979. If you need more information, contact me at the FFA Foundation, Box 5117, 310 North Midvale Boulevard, Madison, Wisconsin 53705.

Bernie Staller
Assistant Director
National FFA Foundation

Jeddo, Michigan

In your December-January, 1978-79, issue of *The National FUTURE FARMER,* on pages 42 and 44 was an article entitled "Old Foxy Is A Pain In The Neck" written by Russell Tinsley. I had always thought of your magazine as strictly a farming magazine, not a hunter's or naturalist's, which is why I'm writing you.

In the early weeks of August, some friends and I launched a program entitled "Project Bluebird", which we more or less coded "PBb." Since 1938 the population of the Eastern (Common) Bluebird has plunged 90 percent and most people under 30 years of age have never seen one. Many school children have never even heard of a Bluebird, let alone an Eastern Bluebird.

This is due to four reasons: 1) the Starling and 2) the English (House) Sparrow, both aggressive competitors; 3) civilization; and 4) the weather, since they return from the South in late February and early March, many starve and are frozen to death due to the lack of food, houses and/or other shelter.

It is our goal and the farmers gain to bring the population of the Eastern Bluebird back to where it should be. About 70 percent of the Bluebirds' diet is insect matter and its favorite foods are corn bores and grasshoppers. The other 30 percent—plant matter, with the exception of black berries, consists of no cultivated species. The farmer definitely gains by the Bluebird.

Since our sphere of influence can't reach over a few hundred or a thousand at most, we are seeking out organizations such as yours to help us spread the plea of the Bluebird and enlighten the farmers who do not understand what an asset this handsome songbird is to them.

Chris Walker
Director of Natural Sciences
Silver Trails Scout Reservation

Poland, Ohio

I am a certified vo-ag teacher who is a full time farmer and a substitute vo-ag teacher in the winter months.

I always enjoy keeping up with the wonderful magazine. Please enter my subscription so that I may read it each issue.

George Houk

Edon, Ohio

In the December-January, 1978-79, issue Mike Mayer asked how a young farmer of 21 can have a net worth of $30,000 while in FFA.

Well, so many young farmers were given farms. That's why some farmers sit pretty good.

My dad was one that supported two families. My dad was the oldest of nine children in his family. At the age of 21, Clarence, my dad, took over his father's responsibilities. His dad died, so Clarence had to help put his brothers and sisters through school. Clarence never had the chance of going to high school.

At the age of 35 my dad got married. He didn't even have enough money to buy 40 acres, so he had to borrow from my great uncle. And nobody handed him a farm, like some farmers I know.

It took most of his money to support the family.

Now, at the age of 21, I am working on getting the American Farmer degree. If I receive this award I will be the first one in our FFA to receive the American Farmer.

Now I am helping my dad get ahead in life, by starting a 50-50 partnership six years ago.

I also enjoy the issues of the FFA magazine.

James Wuebben

Adairsville, Georgia

I would like to state that you have a very fine magazine which I find interesting. The part I like best is the "Chapter Scoop" where you give space to chapters who have something to report where it can be printed.

Here in Adairsville some people want to knock vocational agriculture and the FFA out of public schools. If they would sit down and take a look at this magazine and see what the FFA does, maybe it would change their minds.

Byron Edwards

Touring the U.S. For FFA

Mark Sanborn speaks during a stop at the Moorman Company in Illinois.

A national tour of 27 cities in two weeks unfolded for the six national officers during February and March. The trip is an important and traditional part of the officer team's official duties in representing the FFA.

The tour busied the team with nearly 100 visits to agribusiness firms, civic clubs, government agencies and educational centers throughout the country.

Before departing on the goodwill tour, the officers spent National FFA WEEK in their home states visiting FFA chapters and members. The national tour began with stopovers in three cities—St. Louis, Missouri, Denver, Colorado and Winston-Salem, North Carolina.

"Since we are afforded so much support from sponsoring companies, it isn't only our privilege but our responsibility to visit them and provide an update on how their involvement is helping us, and of course, thank them," explained Mark Sanborn, national president.

Major cities on the schedule included Cleveland, Detroit, New York, Philadelphia, Pittsburgh, Raleigh, Kansas City, Des Moines, Chicago, Minneapolis, Milwaukee and Madison. At all points along the tour, the officers granted interviews to the mass media and presented speeches.

For most of the trip the officers traveled in pairs to effectively increase the number of visits. At different points during the tour, the Star Farmer of America, Maynard Augst of Montgomery, Minnesota, and the Star Agribusinessman, Mark Williams of Orlando, Florida, joined the team.

The officers met together in Detroit for talks with Robert Lund, vice president of Chevrolet and chairman of the FFA Foundation sponsoring committee. The team also congregated in the Wisconsin cities of Wausau and Madison for the tour wrap-up and conference with Don McDowell and Bernie Staller of the FFA Foundation.

The goodwill tour began in 1947 as a means of expressing appreciation to FFA Foundation sponsors for their contributions to the educational awards program. The main purpose is the same today. In addition, the tour helps bring about a better understanding of FFA and vocational agriculture, and gives industry representatives a chance to meet and share ideas with young people interested in an agricultural career.

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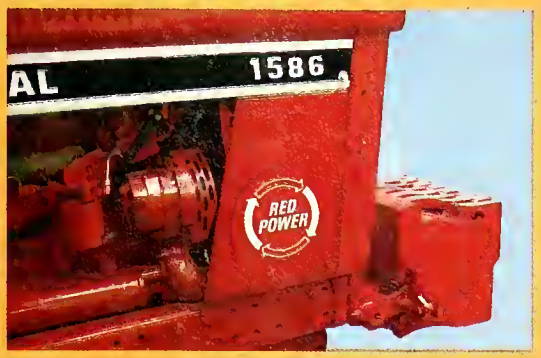

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QUALITY NEVER GOES OUT OF STYLE.

Swinging A Big Wrench

By Jeffrey Tennant

The FFA's most proficient mechanic succeeds by asserting his skill and learning from his errors.

Above, Julian troubleshoots a small engine in his complete farm shop, which, at left, he proudly shows off. Julian's mechanical ability has improved both home and farm.

DOWN in the flat country of North Carolina, close to Frog Point and Bulltown, the little haven of Bucklesberry wakes and sleeps amid tobacco fields and pine groves.

These are the stomping grounds for Julian Brown, last year's national proficiency award winner in Agricultural Mechanics. The 19-year-old North Lenoir FFA member declares "everything ends here" when speaking of his homeplace. Both phone and electric lines stretch to Julian's house over miles of land. And sure enough, their span ends on a pole in the Brown's front yard.

The Brown place is not unkempt. In a word, it's organized. The tidiness could be a direct result of Julian's pet peeve in the realm of farm mechanics.

"The thing I hate most," declares Julian, "is cleaning up someone's mess before I can start working. I like to get busy right away."

Indeed he does. And he has plenty to show for his efforts, including a complete farm shop.

"The shop was a big project," Julian admits, his voice filled with the South. "We started from scratch—my father, brother and I—during my sophomore year. We poured the floors, put walls up. Eventually my brother and I built shelves and tables, wired, plumbed and put in equipment."

Acquiring the shop's tools was a major chore. Some items came from family holdings but most, as Julian remembers, "came from the hip pocket."

Hip pocket capital, mostly earnings from a handyman job at a local fertilizer plant, bought power tools and machinery including an arc welder, drill press, cement mixer, sanders, grinders and an air compressor. These became Julian's workmates as he began to learn skills from his father and vo-ag teachers. Did it come easy?

"My dad says I've got a small mind and a big wrench," confides Julian, smiling warmly about his father's joke. "I've wrung off many a bolt. But dad has let me tinker on stuff since I was real small. He'd let me go until I got in a bind. Then he'd help me out."

Julian attributes his tinkering and FFA work to his mastery of several shop areas. In fact, he could probably handle any problem thrown at him. He's learned combustion engine repair (small engines are his favorites), implement maintenance, carpentry and masonry among others. FFA has shown the light on several subjects.

"Not only has vo-ag taught me the basics," says the award winner, "it has emphasized safety. You've got to show on proficiency applications, for instance, that safety is observed in your practices."

(Continued on Page 21)

Ingenious farm implements.

There are all the usual, boring ways to get around the farm... truck, tractor, what have you. Then, there's the Honda way.

Specifically, the ingenious Honda XL series. It's a complete family of four-stroke, on- and off-road motorcycles that could just change your concept of the workaday world.

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XL185S Instrumentation features speedometer with resettable tripmeter.

you look further into the matter, the preference becomes clear. Honda four-stroke technology offers well-known dependability, quiet operation and better gas mileage than comparable two-stroke machines.

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The XL185S is built for the hard knocks. For example, its long-travel suspension helps smooth out the bumpiest road or most remote field.

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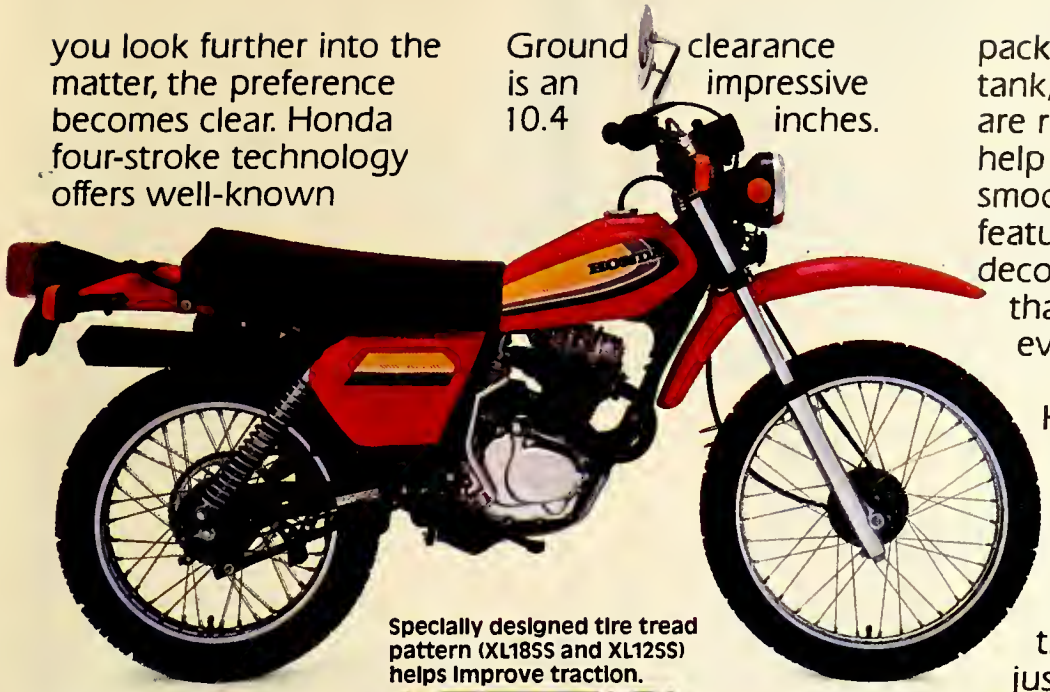
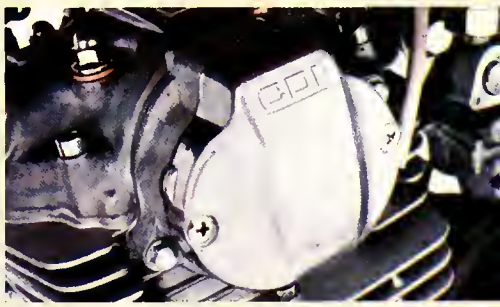


Specially designed tire tread pattern (XL185S and XL125S) helps improve traction.

The other side of the coin is equally impressive. All three XLs shown here are fully set up for the road for your trips into town. Dependable drum brakes are fitted front and rear. Instrumentation, full lighting, turn signals and mirrors are part of the package. Handlebars, tank, seat and footpegs are rubber-mounted to help make your ride even smoother. The XL185S features an automatic decompression system that makes starting even easier.

The incredible Honda XLs. Check them out today at your Honda motorcycle dealer's. Whether it's downtown or down on the farm, there's one just right for you.



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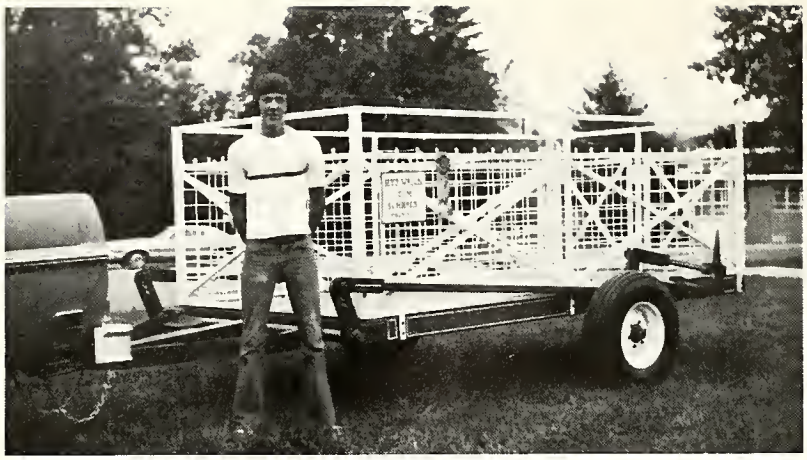

Tom Schaper won the overall grand champion award at the Missouri State fair with the masterful craftsmanship found on his hydraulic wagon.

A Chapterful Of Craftsmen

FOOTBALL and basketball often garner the biggest hunk of laurels for high schools. The spotlight focuses on hardwood floors or yard-line turf. Not always so in Troy, Missouri.

Here, the FFA gets the attention. The field is the Missouri State fairgrounds, the training takes place in the vo-ag shop, the sport is agricultural mechanics and the coach is Jesse Clonts.

Clonts is something of a legend in his small midwestern community. In his 33 years as Troy FFA advisor he's coached his FFA "players" to 11 "best school" awards in the state fair's farm mechanics competition, nine straight since 1969. Last year the chapter captured 12 individual purple (champion) awards for best entries, including the overall grand champion in metalworking.

Metalworking is the chapter's forte. Looking through the projects one finds gooseneck and hydraulic trailers, round bale carriers, scraper blades, loading chutes, log splitters, pickup racks and other gleaming creations—obviously, major undertakings. Besides elbow grease, what's behind all the work?

The local newspaper once wrote, the members are "students of Jesse Clonts and that says it all."

Clonts developed his teaching ability over years of working at shop skills, specifically welding. Upon joining the Army in the 40's, he saw that "the world operated on steel." Fittingly, his first and only other teaching job started in Steelville, Missouri.

Since then, many of his students have gone to jobs in industry and private business as mechanics and craftsmen. Five former students now teach vocational agriculture, one of whom advises the nearby Silex FFA—a tough competitor against the Troy dynasty at the state fair.

"There are many job openings for mechanics," says Clonts, reasoning for his emphasis on shop work. "The biggest demand seems to be in welding. In vo-ag we can train rural students shop skills that will help on the farm or in industry."

Although many of Troy's FFA members excel in mechanical matters, the atmosphere during school hours is not overly tense or demanding.

"We maintain an atmosphere that makes students feel free and easy," explains Clonts. "It's one in which they learn best. We don't expect a student to add to the chapter's image but we insist that they don't take anything away from it."

Workmanship and good labor habits are two good qualities stressed by the veteran advisor, even for students not in project competition. However, Clonts knows that state fair judges look for overall quality of structure, degree of difficulty and grade of "finish," usually paint and trim. Since the judging criterion is designed to promote high caliber construction, the members strive for perfection. In so doing, they acquire a knack for creativity. As their coach puts it, "We don't give them any plans. The boys pull 'em out of the air and make them a reality."

Clonts admits having a rare and valuable teaching aid—tradition.

(Continued on Page 21)

Receiving plaques of achievement is old hat for the Troy FFA. Last year, members entered 31 shop projects in the state fair, winning over one thousand dollars in prize money. Below, award winners stand before the Wall of Fame.

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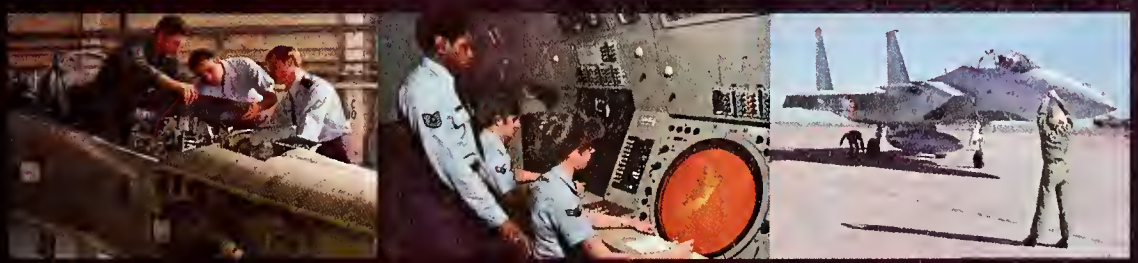

A GREAT WAY OF LIFE.
AIR FORCE

Look who hit the 300-bushel mark.

Leigh Ann Janes, FFA member of Walnut, Mississippi did it! Last October, this young woman produced a 304.49 bushel yield with Funk's G-4848. Her towering yield topped the former FFA record, set in 1955, of 304.38 bushels, which was also grown with a Funk's G-Hybrid.

Leigh Ann joins an elite group of Funk's G growers who have produced ten of the world's 12 recorded 300-bushel yields—and she's the first woman in the world to do so.

Breaking the 300-bushel mark has been just one of the many goals in Leigh Ann's life. She owns nine Herefords and hopes to show the heifers this year. An honor student at Walnut High School, she looks forward to college and a career in journalism or law.

Funk Seeds International is proud to salute Leigh Ann Janes and her generation of FFA farmers. These young adults are proving that ambitious goals of higher crop production can indeed be reached through sound agronomic practices, tender loving care and proper high-yield hybrid selection.

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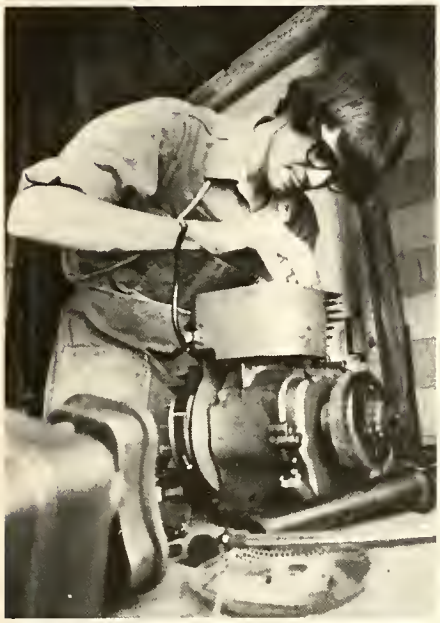
The world yield leader.

Swinging a Big Wrench

(Continued from Page 13)



Julian respects his tools and practices rules of safety in his total farm shop.

You won't catch Julian laboring in the shop without a pair of safety glasses strapped on his head. Safety shields and guards are evident on every piece of power equipment. Approved grounds, electrical breakers and three-pronged plugs were installed in a total home and shop renovation which began with Julian's enrollment in FFA.

FFA also challenged Julian with competition. Ironically, though, his participation on the chapter agricultural mechanics team was a fluke.

"I loved parliamentary procedure," recalls Julian. "In my senior year we lost in the district contest, which put us out for the year. The mechanics team placed high enough to go to state but a boy quit not long after. My advisor asked if I'd be on the team. I agreed and started studying two months before the contest."

To say the least, he came through. The "rookie" led the team to a first place finish at the state event, claiming the high individual award for himself.

"Anyone wanting to get into mechanics should take introductory courses and join FFA," offers Julian. "Anybody can learn how to weld. But to get a job in the market today, it takes leadership training."

To back his advice, Julian's list of FFA activities includes chapter president, district and federation officer and competition in numerous judging contests. Now he's got his sights set on a state post.

Bucklesberry's favorite son is currently knee-deep in studies of biological engineering and machinery design at North Carolina State University. Someday he hopes to breed a new strain of corn or increase farm machinery efficiency. Whatever happens, Julian proves every day that his pounds of sense outweigh his wrench.

A Chapterful of Craftsmen

(Continued from page 16)

"The children of former students come in here wanting to do better than their dads," he says, as if he remembers each generation. "We take pictures of every project for showing at banquets and for the paper. All the boys' achievements are recognized. They know their projects will be exposed so good workmanship comes naturally."

For the cream of the crop, a "Wall of Fame" serves as a hanging place for photographs of students who won at least a purple award at the fair. Placing first in any state contest also means a spot on the Wall.

Indicative of the chapter's involvement in many activities, Clonts quips, "Soon we may have to put up another wall, or put pictures on the ceiling."

For newcomers to shop work, Clonts suggests "taking courses in those areas they want to do most. Start with simple ventures and work up. Ingenuity may be the best thing we teach. Lots of people can work but solving problems is what education's all about. In a job, one must be able to rely solely on his own resources and ideas."

Safety is a major issue for the Troy FFA. Students must master shop rules during their freshman and sophomore years and apply them continually.

"We tell them two things," assures Clonts. "They only have two eyes and can't grow another one. Secondly, they only have one life and death lasts a long time. In professional mechanics, if your practice of safety isn't paramount you'll get fired, no matter how good you are."

Building students' character is another Clonts endeavor. He does it by sharing his talent and time. Fact is, you won't see his picture here because he would "rather the space be used for student recognition."

To be sure, the FFA brings honor to Troy. But the football team is bound to do well, too. At least when they play at home—on Clonts Field.

Some deer slug hunters might not have heard about Weaver's 1100/870 Scope/Mount System.

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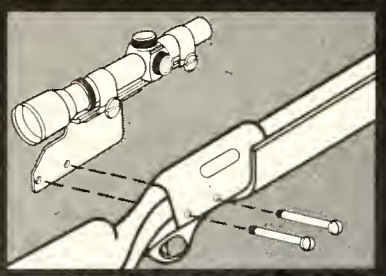

Whether deer slug hunting is mandatory in your state, or specialized shotgun hunting is your thing, the 1100/870 Scope/Mount System was made for you. The system comes preassembled with Weaver's K1.5 or K2.5 with Dual X reticle, and can be installed on your Remington 1100 or 870 shotgun with only a screwdriver.

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If a team competes in the national contest, its members are expert judges.

Words from the Winners

The national judging champs voice opinion on what makes up a first place team; what it's like to win and practice, practice, practice.

By Jeffrey Tennant

FINDING bloodspots, examining the marble, sizing up an udder, checking out the chuck, smacking on cheese, troubleshooting, pounding on a calculator and peering at a plant.

Many FFA members decide to become the best at doing one or more of the above. They often spend years in training and preparation to master these and related activities found in FFA judging competition. Eventually, one contest hands down its decision and the best come forward.

Each year the national FFA contests in Kansas City, Missouri, yield the champs of judging poultry, meats, dairy cattle, livestock and dairy products. We meet the tops at mechanickin', figgerin' and green thumbin' in agricultural mechanics, farm business management and horticulture.

Last year, 92,364 members participated in one of eight team events that culminate in a national contest. Out of those thousands, who all win in one way or another, only a select few can claim number one.

"Winning first place in the national Agricultural Mechanics contest made the week the most memorable experience of our lives," say team members from the Mt. Nebo, Utah, Chapter. Besides the thrill, high placings in state and national competition prompted a new ag-mechanics facility for their school.

All the teams consider becoming aces as the highlight of their 1978 national convention, a meeting which featured the President of the United States and countless attractions.

Everyone knows it'd be great to win a national event but few ever do it. For those who do, one criterion seems evident. The Purdy, Missouri, dairy cattle judges share the secret.

"Winning the contest was at first a far fetched dream," they recall. "Eventually the dream didn't seem so impossible and, finally, we had a goal."

Dreams are the stuff of which goals are made. In the case of each winner, a goal was set and victory resulted. Setting a goal is easy; but reaching it?

"Hard work, dedication and the proper attitude are essential," say the champs in milk quality and dairy foods. The Licking, Missouri, members add "a person receives in proportion to what he gives. Give a lot, get a lot."

All the teams mention dedication to practice as important but the first place meats team from Osage, Iowa, advises, "Have fun while you work." Pick an area you will enjoy. The effort you'll need to succeed will then be a pleasure, not a pain. Self-confidence, discipline and "a certain amount of luck" were listed as needed elements for gaining an advantage.

If your team has the proper attitude and a goal to win, you're on your way. Between you and the crown, though, lies the tough part—preparation.

Count on putting in the hours. The top crew in farm business management racked up over 135 hours of individual study to win for their Whitko, Indiana, Chapter. In all cases, teams trained out of the classroom, often on Saturdays and in summer. One team judged stock at roadside farms on their way to Kansas City.

Who do you go to for help? One winner said their advisor insisted the members drill on their own "because it stuck in our minds better." Advisors know that when the contest starts, they wait outside.

Local businesses, former team members, FFA Alumni, packing plants and books all helped the groups master their area. Field trips proved invaluable to the poultry winners from Neosho, Missouri. The team covered miles to learn from university staffs, local farmers and processing plants. Back-to-back crowns in poultry judging were reaped from their efforts.

Naturally the road to nationals is not an easy one. Without exception, teams advanced from high district placings to win the state event. Once qualified, the question of securing trip finances to Kansas City was answered in numerous ways. State and National Foundation monies were supplemented by funds from chapter projects, local school districts and team members' pocketbooks.

Getting there is only half the battle. The national winners all agreed their final contest was exceptionally tough and well-ordered. One winner asserted "a team must be well-informed, sharp on its skills and quick to react" to have a chance for triumph.

Discouragement is very likely the biggest foe you'll face. The art of not giving up must be learned if you want to win in judging. The Mt. Nebo Chapter won Utah's state mechanics contest 14 times before taking nationals, an event they placed second in five consecutive years. Advisor Jay Dalley says "simple little errors always prevented us from getting first."

If you want to excel in FFA contests, don't leave a stone unturned. You'll find that increasing your own knowledge is the best way to heighten your team's chances of success.

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Next time you have tire trouble, call your "Pit Stop" Service man. He'll take care of the tires, so you can take care of your business.

FFA Officers on a Japanese farm tour. From left, Mr. Clarke Nelson, Carnation executive and past chairman of FFA Foundation Sponsoring Committee; Kevin Drane, Kelly Grant, Dean Norton; Mr. Sato and Mr. Yomomata, dairy farmers in Japan; Mark Sanborn, Elvin Caraway, Jeff Rudd and Mr. Tanaka, National Institute of Animal Health.

The National Officers participated in meetings and briefing sessions throughout the week where they learned about Japanese agriculture and business. These included the Ministry of Agriculture and Forestry, Mitsui & Company, an agricultural experiment station (above), several companies in Kobe and the U. S. Embassy.

National FFA Officers Take a Look At

JAPAN

By Wilson Carnes

Tourists in Tokyo. Monday was used for a tour of the city of Tokyo. Mr. Eiichi Kamimura, Mitsui & Company (far left), helped make arrangements for the week-long visit to Japan. He kept the group informed about Japanese culture, history, agriculture and business.

IT was 6:15 a.m. and snow was falling at the National FFA Center. Not exactly the kind of weather you would choose for starting a trip but the National FFA Officers were there with bags packed. Fourteen time zones and 8,046 miles later, they were in Tokyo—trying to learn a different language, eat with chopsticks, riding on the left side of the road and learning about Japan's culture, business and agriculture.

The February 10-17 trip was a history making event for the FFA. This was the first time a country overseas had been included on the annual National Officers' Tour schedule and the first time all six National Officers had traveled to a country overseas together. Before the week-long trip was over, the officers were to know a lot more about the country of Japan—one of the American farmer's best customers and Mitsui

(Continued on Page 26)

American soybeans were being unloaded in the background of this picture (above) made at the Kobe Food Industries complex. At left is Coleman Harris, FFA executive secretary and far right is Wilson Carnes, editor of *The National FUTURE FARMER*, who were also on the trip.

Japan has a surplus of rice. Packages of rice were handed out on the streets of Tokyo (at left) as part of a promotion by the Ministry of Agriculture. Leaflets containing recipes were also distributed. Consumption of rice is declining as the Japanese eating habits change to a more varied diet.

After meeting with some of the officers and advisors of the Future Farmers of Japan at Tokyo Horticulture High School, the FFA group toured the school grounds and posed for this picture in the greenhouse. The FFJ has 151,292 members; 101,168 boys and 43,960 girls enrolled in full-time courses; and 4,312 boys and 1,852 girls in part-time courses.

Japan Tour

(Continued from Page 25)

& Company, Ltd., the company that handled the arrangements for the trip.

The National FFA Officers are President Mark Sanborn, Ohio; Secretary Kelly Grant, Missouri; and Vice Presidents Jeff Rudd, North Carolina; Elvin Caraway, Texas; Dean Norton, Tennessee; and Kevin Drane, Indiana. FFA staff members on the trip were Coleman Harris, FFA executive secretary and Wilson Carnes, editor of *The National FUTURE FARMER*.

Joining the group in Tokyo and traveling with them most of the week were Mr. and Mrs. Clarke Nelson. Mr. Nelson is the executive vice president of Carnation Company and the immediate past chairman of the FFA Foundation Sponsoring Committee and a person who helped originate the tour.

Jet lag became a meaningful term to the officers. A 14-hour difference in time plus the fact that we had crossed the international dateline threw everyone off schedule.

Sunday was an off day to "adjust" and at 3:00 a.m. Kevin Drane was walking the streets of Tokyo because he couldn't sleep. Tokyo streets were safe at night we were told and found this to be true. Sunday was "Founders Day" in Japan, a national holiday which was observed on Monday, so a bus tour of the city was the only scheduled activity for the officers that day.

The first official stop on the tour was a visit to the Ministry of Agriculture and Forestry. We were told that Japan has a surplus of rice, citrus and dairy products. The Ministry of Agriculture is attempting to switch farmers to other crops but they have difficulty with crops such as wheat for example, because of the rainfall which is particularly heavy at harvest time. Officials also spoke of social problems such as the young man who remains on the farm has difficulty in getting married because most girls prefer life in the city to marrying a farmer and working on the farm.

The visit to Mitsui's Tokyo headquarters gave the officers some insight into international trade. First it was lunch in the cafeteria with Mitsui office workers, a very special treat. Then came several briefings about the company and its world-wide operations. In the Telex room, the officers got a look at the communication system of a large corporation. Computers and satellites are used to communicate with Mitsui offices throughout the world. Most messages are received within a couple of minutes after being fed into the computer. The most inconvenient path is between Johannesburg and Rio de Janerio, but they have ensured that these two areas can be linked in less than five minutes.

At the Yomomata farm on the outskirts of Tokyo, the officers visited with Mr. Yomomata, a dairy farmer, who had 47 cows and two hectares (five acres) of land. He produces as much of his feed as he can and purchases the rest, much of which comes from the United States. Alfalfa pellets, which usually range from around $85 to $90 a ton in the United States, cost this farmer about $200 a ton. And he was being paid about twice as much for his milk as dairy farmers in the U.S. receive. We walked a short distance to the Sato farm and found a similar situation. A farm with 70 cows and 5 hectares (12.5 acres) of land. The Satos produce about half their feed and buy the remainder from the United States. Both farms had Holsteins and some bloodlines could be traced to the United States. *(Continued on Page 28)*

JAPAN

Japan is a country smaller than California but with a population of 114 million—half the number of people in the United States.

"What is Japan's biggest problem?" we asked. "Space" was the answer we got. Enough land for a parking space for just one car at a supermarket would cost about $125,000 in Tokyo, we were told.

With that people-to-land ratio, farms are quite small averaging about 2.8 acres. Only about 13.5 percent (650,000) of Japan's farmers are full-time farmers with the remainder part-time farmers who usually work in some type of industry. Yields in Japan are high because of the intensive land use. Still Japan must import over 50 percent of her food.

Japan has few natural resources and must import nearly all of her oil, coal and most of her other raw materials. Yet the country is a highly industrialized nation whose people enjoy a high standard of living. Japan's money—the yen—is considered very strong in the money markets of the world.

Japan's farm population makes up 25 percent of her total population but only 16 percent of Japan's land area is suitable for agriculture. In fact, we were told that we have more land under cultivation here in America producing for Japan's needs than Japan has. The American farmers supply 80 percent of Japan's soybeans, 50 percent of her corn, 45 percent of her wheat and 20 percent of her cotton needs.

Putting it another way, Japan provides a market for 13 percent of our wheat exports, 20 percent of our soybeans, 25 percent of our feed grains, 22 percent of our livestock and livestock products. This is about 20 percent of the United States ag exports, and is worth about $4 billion a year. Even so, the United States has an overall trade deficit with Japan of over $11 billion—i.e., we buy that much more from Japan than we sell to Japan.

About Mitsui

Mitsui & Company, Ltd., Tokyo, handled arrangements in Japan for the FFA trip. A profile of this company will help you understand international trade.

Mitsui was established in 1876 and is the largest general trading company in the world, trading in almost everything according to a company source. The company is especially strong in agricultural and food products. Mitsui has 142 offices overseas with 13 of them in the United States. Turnover during the year ending March, 1978, was $45.5 billion which compares with General Motors at $59.9 billion. A comparison of figures is somewhat misleading, however, because Mitsui is a trading company, not an industrial manufacturer, and handles the marketing of products rather than manufacturing them. The company does invest in manufacturing ventures, however.

Of the $4 billion agricultural and food products Japan imported from the United States in 1977, Mitsui handled about 15 percent of the total. Mitsui purchases grain from all corners of the globe, but the main source of grain is the central region of the United States.

One of Mitsui's most recent acquisitions in the United States is the purchase of seven inland grain elevators and the lease for one seaboard elevator. The seven inland elevators have a total annual capacity of 1.75 million tons. These elevators are located at Heloise, Tennessee; Dorena, Missouri; Chillicothe, Henry and Peoria, Illinois; Hartley and Denison, Iowa. The seaboard elevator, which has an annual capacity of 5 million tons, is in Reserve, Louisiana, just outside of New Orleans.

Hard hats were required for a visit through the sugar refinery at Kobe.

FFA member Dave River and father, Ross, Maquoketa, Iowa.

How to make the family farm support another family.

Your family. You like life on the farm. You like the freedom. And you like to see the results of your work.

Chances are, you've thought about how you and your dad might make room on the farm for another family someday — your family.

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Mail this coupon to:
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Japan Tour

(Continued from Page 26)

The big job of feeding the population of Japan was well illustrated at the Tokyo Central Wholesale Market. The central market is designed to distribute at wholesale perishable foodstuffs, such as raw fish and shellfish, processed marine products, vegetables, fruit, meat and eggs, much of which is sold at auction between 5 and 10 o'clock in the morning. The market is under the guidance and supervision of the Ministry of Agriculture and Forestry and the Tokyo Metropolitan government.

A trip highlight was riding the bullet train to Kobe, nearly 500 miles away, to visit an industrial complex. This is the fastest train in the world and reportedly reaches speeds of 125 miles an hour. Because of this, we were able to go down in the morning, tour most of the day and arrive back in Tokyo shortly after seven o'clock that night.

The Kobe Food Industries complex is on an area of land reclaimed from the sea between 1953 and 1970 at a cost of $2 million. It was here that the officers saw one of the most modern and efficient food processing operations in the world. Mitsui & Company, Ltd., bought a portion of the land and invited food companies associated with Mitsui such as a sugar refinery, flour mill, fishery, oil mill and others to establish industries there. Space does not allow a detailed description of how this complex operates but the industries are inter-related in some way. For example, Konan Futo's facilities provide for the unloading of ocean going bulk carriers, silo storage, warehousing and soybean sorting facilities, all of which is an efficient service to the food industries which established plants at this complex. The companies are linked by conveyor belts. While we were there, soybeans from New Orleans were being unloaded from a ship.

Large radish at the vegetable market.

In 1970, these companies agreed to jointly establish Konan Utility Company, Ltd., with Mitsui being the major share holder. The utility company supplies steam, water, electricity, gas and other common requirements to the companies concerned. The utility company also treats sewage and other polluted matters, manages a common burglar and fire alarm system and handles other common needs. One of their prize exhibits was goldfish swimming in the last container of treated waste water to show how clean it was before being discharged into the sea.

At the U.S. Embassy, the National Officers got their final briefing on trade with Japan. They were also told that the embassy in Tokyo is the largest U.S. Embassy in the world.

The last scheduled event on the Japan tour was a buffet dinner with officials of Mitsui. By this time the officers were using chopsticks with ease and the Mitsui executives spoke English very well, so it was a most pleasant occasion. To show FFA's appreciation, President Mark Sanborn presented a plaque to Mitsui for their hospitality and assistance in planning the tour. Mitsui executives Mr. Yoshihiko Itami and Mr. Mizutami accepted for the company.

In his remarks Mr. Itami told the officers, quoting a Dr. Johnson who wrote in 1778, "He talked with an uncommon animation of traveling into distant countries; that the mind was enlarged by it, and that an acquisition of dignity of character was derived from it." This was his wish for the FFA officers as their tour of Japan came to an end.

Quotes From Your National Officers

Sanborn: "Before going to Japan, I tended to think in terms of my own area, my own state and my own country. But once you travel abroad, you see that agriculture faces great challenges and obstacles worldwide. This broadening of perspective is important to us as agriculturists and people. There are great challenges to be met in world agriculture. Most Future Farmers of America aren't aware of the great opportunities that are in international agriculture—career opportunities. Although we are separated by thousands of miles from the Future Farmers of Japan (FFJ), we have basic interests and objectives as a youth organization —to develop ourselves as agriculturists, leaders and people able to cooperate and work together. Having seen the kind of interest other people have in America and its agriculture makes me feel more responsible to the world as a whole. It makes me more aware of our global role."

Grant: "I was impressed most with the attitude of the Japanese toward life. Everyone from taxi drivers to waitresses to officials in industry and government all expressed an interest in us as Americans and in living in general. I found most interesting the Kobe industry complex built out in the ocean. Most impressive is the fact that the entire complex was put together by people putting plans into action. The Japanese are able to plot out things and plan their futures. We in FFA should sometimes do the same."

Caraway: "I was impressed most by the friendliness and hospitality of the Japanese. I also found that Japan and the United States have a lot in common. I went to Japan thinking their way of life would be behind ours but found that in many ways, they're more advanced. We can learn from them as we hope they can learn from us. As we traveled to Japan, our perspectives were broadened. I would encourage all FFA members to take advantage of their opportunities to expand their horizons, not only within the United States, their home and communities, but worldwide."

Norton: "I was impressed most by the people in Japan. They received us so well. They're very kind, friendly and warm. They want to help you as much as they can. They want to make the best of everything they have. For instance, in their farming of the orange trees, they literally take mountains, cut plateaus out and plant the trees on the plateaus all the way up the mountain. They are very space conscious. The trip was beneficial to broaden my knowledge of the world's agriculture, cultures and people."

Rudd: "The efficiency of the Japanese people impressed me the most. They even had a buzzer on an elevator that stayed open too long.

To me, the most interesting aspect of the Japanese people is the way they are able to cooperate and also compete very intensively. For instance, they have a large number of people involved in service occupations. An average restaurant may have two or three times the number of employees than an American restaurant, just to serve the people there. Another interesting point is all workers in a company begin at the same starting pay, whether a person begins as a waitress, janitor or accountant. I would stress to FFA members that international agriculture is very important. American agriculture is big, but agriculture is not just America. We depend on the Japanese people to supply us with goods and act as a market for our American products. The two countries complement each other very well. I benefited a great deal from the trip. It opened my mind to the importance of looking at things from a wider perspective, from different points of view."

Drane: "The things that impressed me most about Japan is their technology. I went with the concept they were rice farmers but I was shocked to find that the farmers average 2.8 acres of land. However, the land is used to the fullest extent. They are very efficient with everything they have.

One thing I learned from the trip is not to believe preconceived ideas about a country like Japan or the people. I learned to not stereotype people. I hope to share some of the things I saw on this trip with other FFA members."

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NAVY. IT'S NOT JUST A JOB,
IT'S AN ADVENTURE.

Putting on a Pig Sale

THE idea for a World Feeder Pig Sale first came up at the West Marshall FFA in Iowa in October of 1977, when a hog buyer spoke at a chapter meeting.

The idea was a show and sale for the community. So the chapter decided they would like to tackle the big job and set their first show and sale date for December of that year, since that was the time many farmers would have hogs of the correct size. The event proved highly successful, prompting the chapter to repeat the show on an annual basis. The most recent show unfolded March 31, 1979, but the real task was the development of the very first sale.

Senior Al Knuth did much of the early work in deciding which committees would work in different areas of the first show and sale. Steering committee for the show was the supervised farming committee with Chairman Dwight Papenberg being named as show and sale superintendent. This committee was in charge of seeing that other committees carried out their jobs, setting up various work crews for the actual show and sale, finding judges, an auctioneer, a veterinarian, a place for the show and sale and setting up health requirements and other rules.

The public relations committee was in charge of printing flyers to be sent to youth organizations across the state. These flyers were also sent to sale barns and hog producers in Iowa and neighboring states.

This committee also worked on printing rulebooks to be sent to exhibitors, buyers and hog producers expressing interest in the show. These books contained general information concerning time, location, health requirements and judges', veterinarians' and auctioneers' names. The rules for the show and sale were given in this book. The book was paid for by the advertising of various agribusinesses in our community.

The earnings and savings committee was in charge of having a concession stand on the grounds the day of the show and sale. Hot chocolate, doughnuts and candy bars were sold.

As plans progressed the chapter decided to call the project the World Feeder Pig Show and Sale since the chapter welcomed exhibitors and buyers from all over the world.

Some of the rules for the show and sale were pigs must be from 30 to 70 pounds, a pen consisted of 20 pigs and the entry fee was $2 per pig. Classes were split by weight and all had to be sold. All pigs were checked upon arrival by a veterinarian, Dr. Jon Witt. All exhibitors were required to sign a statement certifying the health of their herd.

All trophies for class winners, reserve champion and grand champion were donated through an area feeder pig company and an area feed salesman also donated 200 pounds of feed to the top buyer at the sale. The prize money was paid for by entry fees.

Just prior to the show and sale additional letters reminding hog producers of our project were sent out: Entry forms were also sent along with rulebooks to those interested.

The night before the show, members gathered at the fairgrounds to set up and prepare. The next morning pens began coming in quite early so members were at the fairgrounds by 6:30 a.m. There were many duties that members were required to perform. Helping unload pigs, weighing them in, and paint branding were all duties done by members.

After the pigs were shut in pens, a group of members would ear-tag them while another group would receive the entry fee, record ear-tag numbers and weights. After all the pigs arrived, classes had to be divided, assigned and posted.

During the show, members were in charge of getting pigs to and from the show ring and moving the pigs around in the ring. These same functions had to be performed during the sale. Also connected with the sale was maintaining a record of prices, buyers, sellers, weights and receiving checks and paying sellers.

Then members were needed to help load buyers' pigs and clean up the fairgrounds. Throughout the day an announcer informed the people of any changes and of various happenings.

The first annual West Marshall FFA World Feeder Pig Show and Sale was on December 3, 1977, at the Central Iowa fairgrounds in Marshalltown, Iowa. Eight exhibitors showed ten pens of 20 feeder pigs each.

There were four classes of pigs, decided by a division of weights. First place in each class received $15 and second received $10. Each class winner also received a trophy.

The sale began at 1:00 p.m. with

(Continued on page 34)

Months of planning culminated in the early morning arrival of trailer-loads of stock, unloaded by the members.

After the weigh-in and branding of stock, members were responsible for moving the animals through the sale.

A county fairgrounds showring served as the first sale site. Many buyers attended the event, with the chapter taking a four percent commission on each sale.

From the easy-going good ol' boys comes the hardest-hitting 22LR on earth.

It's called Stinger.

And it's more than a can opener. It opens up a whole new world of high velocity shooting for 22 owners.

With 25% more velocity than any kind of ammo they could shoot before. *25 per cent.*

Pretty fast company to keep. And pretty bad news for whatever's in Stinger's way.

Think about it. The good ol' boys' Stinger zips along 350 feet per second quicker than an ordinary 22LR.

It even sounds quicker. Regular 22's go off with a "crack." But with Stinger, it's more like a "CR-A-ACK!

High velocity 22LR meets a full can of pop at 25 yds.

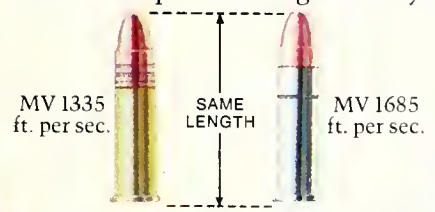
Stinger meets a full can of pop at 25 yds.

And you don't need some fancy gun to shoot it. If your rifle or handgun is chambered for 22LR, it's chambered for Stinger.

So how'd the boys at Lewiston come up with this one, you ask? It wasn't easy, they grin.

They started off making an extra-long brass case. Then they filled it up with a special longer-burning powder (a little more than usual). And a newly-designed bullet (a little lighter than usual).

That extra powder gives the bullet extra oomph. But Stinger's every bit as safe in your chamber as regular 22 ammo. It's whatever's on the receiving end that isn't so safe.

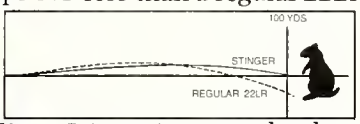


You see, Stinger's bullet is the good ol' boys' Penta-Point type. With five little corners at the tip to help the lead peel back. And, in effect, explode on impact. So what you hit stays hit. (This can of pop could tell you all about it.)

There's even less danger of ricochet with Stinger's bullet. It's more likely to break apart than bounce off a rock.

And all that extra velocity makes Stinger shoot flatter, so it ends up closer to where you aim.

At 100 yards, for instance, it drops 3½" less than a regular 22LR.



Since Stinger is a completely different kind of 22LR, the good ol' boys decided it should look completely different. So they dressed it up pretty in a shiny nickel plated case. And packed it in rattle-proof plastic boxes of 50.

They want you to know you're welcome to go get a box. Right now.

And then go get a can.

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A PROUD FFA LEGACY

Joe Dan Boyd

Joe Dan Boyd was president of the Texas Association during FFA's Silver Anniversary, 25 years ago. For that reason, he was selected to address their Golden Anniversary Convention. While his remarks were delivered to a Texas audience, they have a message for all FFA members who are actively involved in their organization. Today Joe Dan is southwest editor for *Farm Journal* and editor of their *Cotton Extra*. Prior to joining *Farm Journal*, he spent two years as associate editor of *The National FUTURE FARMER*.

IN MY life, FFA has exerted immense, memorable, lasting impact—ranking near the influence of upbringing and home environment. I recall as if it were yesterday, that first FFA speech assignment at the Winnsboro (Texas) father-son banquet, on my feet for just a few nervous, agonizing minutes. But enough to begin a long apprenticeship in "leadership training." And this is surely everyone's primary benefit from a proud FFA legacy.

That such a trail could ultimately lead to the Texas State presidency points up one of the great teachings of FFA: all worldly goals are within reach. Often, FFA provides a young person's first experience with parliamentary procedure, public speaking and extensive association with adults from outside his own family circle. More than anything else, these experiences help prove to him that all worthwhile accomplishment is the work of ordinary people fired by extraordinary motivation.

Gradually, a Future Farmer realizes that he is blessed with something denied to most: working knowledge of professions dedicated to producing life for a living, the professions of agriculture and agribusiness. Even more important, the Future Farmer comes to grips early in life with a genuine understanding of nature and a true appreciation—even a respect—for honest, hard work. This is a legacy that lingers long after the final hurrahs of FFA contests and conventions, and eventually becoming a blueprint for the journey of life and the challenge of making a living while also making a contribution.

Fortunately, FFA advisors have always seemed to have sufficient insight into the character and aspirations of young people to realize the advantage, perhaps the necessity of real responsibility granted early in life. Perhaps above all, FFA advisors ask—and insist—that Future Farmers heed the inner conviction that whispers to all who will listen: "Anything worth doing at all is worth doing right."

So it is that, in both philosophy and practice, FFA stands tall to manifest the "American Dream" itself: You can be that which you believe yourself destined, provided you find a way to serve others in the process! It's in the FFA motto: ". . . Earning to Live; Living to Serve."

I am grateful that the Texas Association has—since the 25th Anniversary Convention—encouraged a long line of state presidents to carry the banner of the office into ever wider horizons and newer vistas. It is a most humbling experience for me to stand before you and so many of your past state presidents simply because of a chronological coincidence that I happened to serve during FFA's Silver Anniversary Year.

But, every year that you have selected a state president—from Howard Strother in 1929 to Elvin Caraway in 1977—you have also called for something much greater: a person who would, in a very real sense, function as an extension of your own being. For in Texas, the state president becomes a travelling goodwill ambassador for the organization. It is a year of unbelieveably hard, tiring work and long days, very few of which he can call his own.

That he becomes something of a celebrity in the process is far from the primary force that drives a young person to seek and discharge such a demanding responsibility. The office seems to instill its own motivation: a complex force that both clears a path and lights the way.

Keeping that force means becoming a kind of evangelist for the organization's message which is perhaps best expressed by a line from the FFA Creed: "I believe in the life abundant and enough honest wealth to help make it so—for others as well as myself."

As I reflect on the abundant accomplishments of these past state presidents and witness the "sterling" performance of your Golden Anniversary Convention President, I can only marvel at the foresight and wisdom of that key decision so many years ago to characterize the FFA presidency with the symbol of a rising sun, regarded as the token of a new era in agriculture.

That, more than anything else, may be the reason FFA presidents—national, state, area, district and local FFA presidents—take their charge so seriously. The rising sun of the station is a clarion call for leadership *out* of the darkness of selfishness and into that glorious sunlight of brotherhood.

Now and then, FFA presidents do sit by the rising sun. But, more often, they are on their feet—actually working for brotherhood and cooperation.

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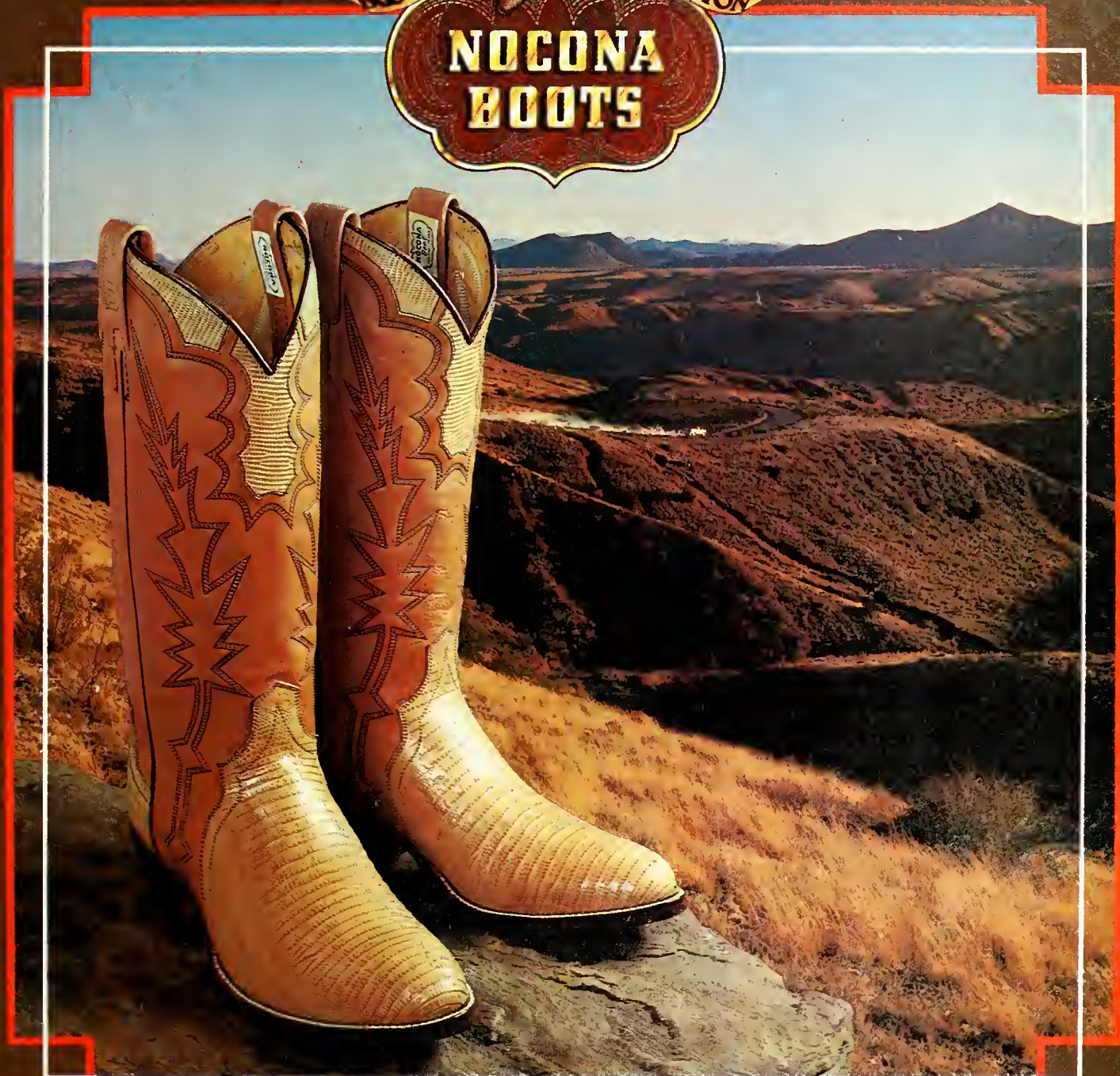

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Pig Sale

(Continued from Page 30)

many local farmers attending. A total of 201 head of pigs were sold with the FFA chapter receiving a 4 percent commission on each sale. The auctioneer for the sale was Fred VanMetre who volunteered his services for the chapter.

After the show, questionnaires were sent to all exhibitors to find out their ideas on ways to improve the show. Questions were asked concerning size of pens, date of show, judging, showing procedures and health precautions to find ways to improve the next show.

West Marshall's second annual World Feeder Pig Show and Sale was on April 22, 1978. This show included some changes: a judging contest and a gilt show were staged, and the maximum allowable weight moved to 90 pounds.

A chapter-produced rulebook contained various news items, including reviews of the first show and sale, information about the new chapter gilt chain and the upcoming summer steer show. Advertising in this rulebook were 17 area agribusinesses.

It was felt that the judging contest would help all ages get involved in the project. It also provided good experience for teams throughout the state who had never judged feeder pigs before. There were two divisions: senior, those out of high school and junior, those still in high school. Prizes in the senior division were 150 pounds of complete pig feed to the first place judge and 100 pounds of feed to the second place judge. Due to a growth in the numbers of pigs for sale, the judging contest was not a part of the third annual event.

In the junior division 12 teams involving 44 individuals judged. These teams represented seven different communities from across Iowa. The first and second place judging teams received trophies. The top judging team was from the West Marshall FFA, the second place team was from the South Tama FFA. Top individual judges in both divisions received hog whips as prizes also.

The second show used pens of ten instead of 20. Judges were Eldon Juhl, Jefferson, Iowa, and Dave Huinker, Ames, Iowa. Exhibitors came from across the state of Iowa and from Missouri.

The Grand Champion pen of feeder pigs was shown by Linda Witt, Melbourne, Iowa. She received a trophy and $100. Reserve Grand Champion was Richard Van DeHaar who received a trophy and $50.

In the gilt division a pen consisted of three gilts. Linda Witt of Melbourne, Iowa, showed the Grand Champion pen and received a trophy and $75. Dallas Kaestner showed the Reserve Grand Champion pen and received a trophy and $35.

The sale attracted a good turnout of buyers and many people were buying for fair projects.

The members of the chapter and community learned from hosting Iowa's only feeder pig show. *(Carol McDonald, Parliamentarian)*

Soil Tests — As Good As the Sample

OFTENTIMES a soil sample is as worthless as a handful of dirt in a cigar box. But a good soil sample can be your first step toward higher farm profits.

Assuredly, an analysis of any of your soil will provide information about your land. However, proper sampling guidelines may be followed to obtain meaningful soil test results that can be valuable in your soil management practices.

Why should soils be tested? Soil test results can reveal the texture, pH (acidity), available magnesium, phosphorus and potassium in your fields based on the sample you submit. From these results, lime and fertilizer can be scientifically recommended for the crops you wish to grow.

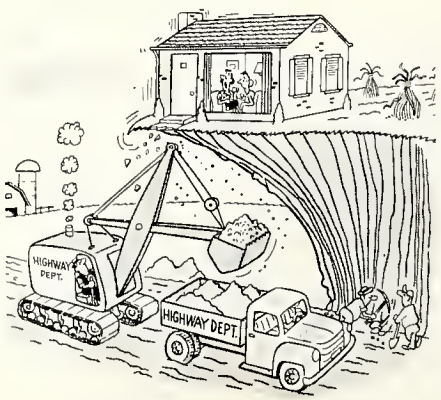
Lime and fertilizer are used most efficiently by plants when supplied in the proper amounts. Naturally, requirements of all plants are not the same. Likewise, capabilities of soils to supply nutrients differ. A soil analysis is the best way to determine the most effective level of treatment.

Why are good soil samples necessary? Soil test results can be no better than the sample submitted. Recommendations based upon poor soil samples may be misleading and result in the use of too much, too little or the wrong kind of lime and fertilizer. Since soil additives are costly, knowing the proper amounts to spread could save needless expense.

What makes a good soil sample? Basically, a good sample accurately represents the soil in the field. A sample should be made up from 15 to 20 different locations in the field under test so an average fertility level can be measured. Even though the soil to be tested may appear to be uniform, considerable variation from one spot to the next is likely.

Secondly, a specimen should be taken from the correct depth since fertility varies throughout layers of earth. Take your sample only from the depth that will be influenced by lime and fertilizer applications. Two inches deep is best for pastures while plow depth suffices on cropland.

When should samples be taken? Anytime during the year when the soil is in a satisfactory condition for sampling. A wet or frozen field should not be tested. Force-drying samples in an oven will affect the analysis and yield incorrect recommendations. If soil is continually wet, it may be air-dried before testing.



"Last year it was locust."

Do not take soil samples immediately after lime or fertilizer has been broadcast. Allow several weeks for the lime or fertilizer to react with the soil before taking a sample.

If you raise continuous row crops, you should test your soil every year. For perennial crops, every three years or once each rotation is adequate.

How do you take a good sample? First obtain information sheets and sample boxes from the local testing lab, usually known to your county extension agent or Soil Conservation Service. Select a spade, auger or probe for a tool and divide your field into uniform sampling areas according to slope, soil type and cropping history. Try to keep each area under ten acres and avoid unusual areas in the field such as wet spots, manure piles, eroded areas and fence rows. If the sample is to represent more than ten acres, take soil from at least one more spot for each additional acre.

For fields previously in row-crops, sample only between the rows. In orchards, sample where you would normally broadcast soil additives.

As you collect your specimens, remember that soil test results can be no better than the sample you submit.

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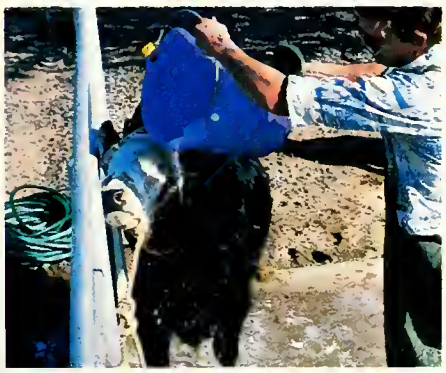
Royal Purple Show Oil gives coat a deep, glossy shine. A quick application of Show Mist will add that final touch just before entering the show ring



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Welding Wonders
or
Look What I Made In the Ag Shop

By Steve Forsythe

THE ABILITY to transform bolts, nuts, and other assorted materials found commonly in the shop into modern "creations" of art is a possibility for many FFA members and agriculture teachers. With a combination of basic oxy-acetylene-braze welding skills, materials, and most of all—imagination, the interested creator can successfully create!

The shop is a place to learn many basic agriculture and agriculture-related skills. To the advanced vocational agriculture student in third or fourth year training or to the general agriculture mechanics student comes the opportunity for additional shop training. Usually part of the additional work involves gas welding skills. Whether it's making a Christmas creation, a birthday present, or just for the learning and excitement of seeing that (hopefully) well done finished product, using "out of the ordinary" gas welding skills makes for a stimulating and satisfying process.

Anything and everything may be used in creations involving gas welding.

Horseshoe or wrought iron nails, two pieces of steel plate and a nut and bolt were molded to create these windmills.

With today's inflation, the term "junk" may no longer be applied realistically to many items stored in and around the shop. Assorted nuts, bolts and nails have an ever-rising price tag on them. However, for an overall small investment in the materials used for a particular creation, the creator gets much return in enjoyment, learning, and self-satisfaction!

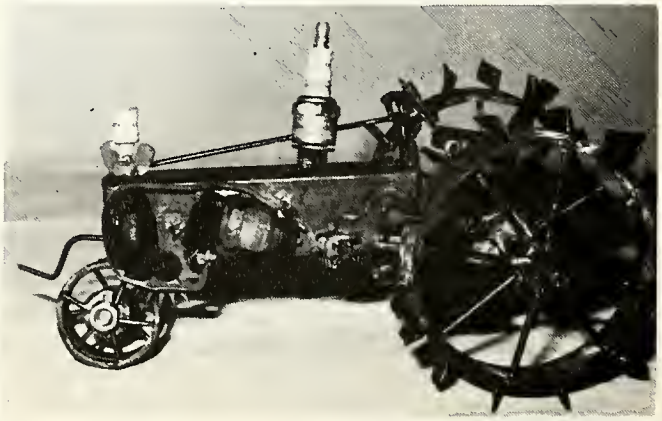
Imagination is the most important prerequisite for an enjoyable experience in creating with gas welding. The shop, the skill, and materials may be found anywhere but without a creative imagination it's not much good. Once an idea for a creation is "thought together," the materials to be "put together" for that project must be found. Did you know that parts of an old exhaust manifold and muffler make an ideal "wise old owl" for a gift to a chapter advisor?

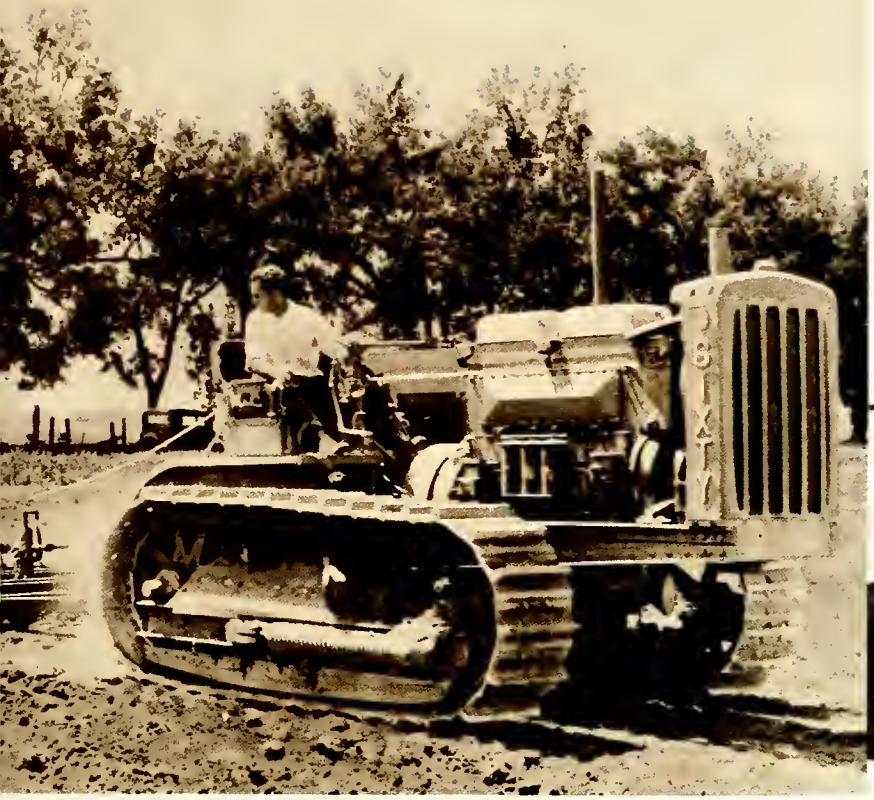
The opportunities to create using good welding skills, materials, and imagination are plentiful and beneficial. A chapter sponsored contest for the best shop creation could be held for a week while advanced agriculture students are covering gas welding. Possibly the advisory committee members could serve as judges. Would a money-making project of building and selling creations by the agriculture III or IV class be feasible for your chapter? What about brainstorming and drawing plans and a list of materials for creations to be built by agriculture students just before the Christmas holidays? Would this help agriculture teachers to motivate students and make for a change of pace in shop teaching procedures?

If you're not careful, the enjoyment of creating by using gas welding skills can grow on you. You might even find yourself looking at things a little differently. Those two nuts in the junk pile along with that pack of washers and clamps seem to take the shape of a frog—or maybe a great horse and rider!

These feathered friends from the North were created by the process of tig welding. Aluminum scraps form the bodies. Two gas engine connecting rod bolts form the heads.

Designed from a drawing seen in The National FUTURE FARMER, this model of a 1931 McCormick Farmall tractor was built from tube steel, steel plate and old spark plugs.





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Today, virtually all of the larger tractors are diesel models. And we have improved our diesel fuel to the point where we believe it's the finest you can buy.

Amoco ® Premier diesel fuel is specially formulated for modern diesel engines. It has a high cetane number for fast starts. It's low in sulfur for reduced engine deposits. And it's blended to give the right flow and burning properties for smooth power and less smoke.

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Safe or Out?

By Thomas A. Hoerner

Figure 2: For students who wear prescription eyeglasses, industrial quality goggles become a must.

Figure 1: Spectacle type glasses will often suffice.

Applying good rules of safety for eye protection helps keep your sight undamaged—and the law unbroken.

MOST people would prefer to have the umpire call them safe rather than out in a game of baseball. However, this same choice could be yours in the agricultural mechanics laboratory or shop if you don't use proper eye protection. Again most FFA members would want to be safe. Unfortunately, some of your fellow vo-ag students are going to be out if they don't obey requirements for students to have and wear proper eye protection in our agricultural mechanics classes.

Approximately 35 states in the U.S. have eye safety laws for students, teachers, administrators, visitors and others working in or visiting school shops and laboratories. Most state laws or acts are based on the American National Standards Institute (ANSI) standard Z87.1-1968. One state's act says that students and teachers participating in vocational shops or laboratories involving hot molten metals; milling, sawing, turning, shaping, cutting, grinding, or stamping of any solid materials; heat treatment of metal; gas or electric arc welding; repair or servicing of any vehicle; or caustic or explosive materials shall wear industrial quality eye protection devices at all times. In fact, even while in a room or enclosed area where others' activity is a hazard of eye injury to student or teacher. Visitors to shops and laboratories shall be furnished with and required to wear the necessary safety devices too.

Does your agricultural mechanics instruction include any of the mentioned activities? Yes, indeed.

The regulations are strong and clear.

Your question then is, what is proper eye protection? First, we must define industrial quality. Briefly, the standards for industrial quality eye protection as established by ANSI are lense thickness of 3.0mm and not more than 3.8mm; lenses are heat treated; each lense passes a drop ball test; and frames and lenses are clearly marked with the manufacturer's trademark.

The last standard is really the main characteristic for the teacher and student. If the lenses and frames are not marked the eye protection device does not meet industrial quality standards and should not be allowed to be worn in shop classes. Plastic lenses in goggles and face shields do meet the standards but must be 0.050 inches thick and must also be marked with the manufacturer's trademark.

For students who do not wear prescription glasses, plain spectacle type protection would be recommended. (See Figure 1.)

For students who wear prescription glasses there are two choices:

a) have students purchase industrial quality prescription glasses, or

b) provide goggles (as shown in Figure 2) for students to wear over their prescription glasses. This is not the best choice as goggles do fog over and they do not fit well under arc welding helmets.

Other important practices in conducting an effective eye protection program can be conducted by a safety committee of chapter members. They would review all state laws or codes with students before going into the agricultural mechanics laboratory.

When industrial quality eye protection is available for all students, students can be responsible for the care of their eye protection equipment.

Most advisors will establish definite rules governing time when eye protection is to be worn and enforce rules in the classroom.

Eye protection laws and codes for schools are a little like our speed limit laws, they are not only a good idea, but they are the law. As students and teachers the choice is yours, do you want to be counted safe and wear industrial eye protection while working in the agricultural mechanics shop or do you want to take a chance and be called out. Remember—what a blind person sees is shown in Figure 3.

Figure 3:

Professor Thomas A. Hoerner taught vo-ag for four years and has been a teacher educator in agricultural mechanics for 18 years. He's currently at Iowa State University and served as the first superintendent of the national FFA Farm Mechanics contest.

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FFA Gets A Stamp

By Wilson Carnes, Editor

A SPECIAL commemorative stamp was issued by the Post Office Department to honor the FFA on its 25th Anniversary. President Eisenhower spoke at the National FFA Convention, becoming the first President of the United States to do so while in office. Recognition also came with the speech of Oveta Culp Hobby, secretary of Health, Education and Welfare; and Ezra Taft Benson, secretary of Agriculture.

In 1953, when FFA celebrated its Silver Anniversary, the organization had already become well established and successful. But the FFA of those days was different in many ways to the FFA you are a member of today.

The Anniversary National Convention was presided over by President Jimmy Dillon from Jones, Louisiana. Total attendance was 12,000 including members, advisors and friends, compared to attendance of 21,678 in 1978. Total membership was then 363,369 with most students engaged in production agriculture. Membership today is 507,108. National FFA dues were 10 cents per member in 1953 which obviously did not include the FFA magazine.

There were other differences, too. Girls were permitted to participate as FFA members only to the state level. The New Farmers of America (NFA) was a separate organization and was active in those states that had segregated school systems. There were no permanent buildings at what is now the National FFA Center, only the old temporary buildings that had been the National FFA Camp.

That was the year Executive Secretary A. W. Tenney stated in his report to the National Convention, "We are pleased that, at last, *The National FUTURE FARMER*, the official magazine for the Future Farmers of America has become a reality. Members have requested a magazine since our organization was started in 1928, and this goal has been attained."

Dr. W. T. Spanton was the National FFA Advisor. He is credited with being the first person to use publicly the name, "Future Farmers of America.".

The development of the special stamp for FFA is best described in the book, *The FFA at 50*. It is reported there that as the FFA approached its 25th anniversary, friends suggested it would be appropriate for the Post Office Department to issue a special stamp in honor of FFA's Silver Anniversary. The National Officers visited President Truman on February 10, 1952, and asked him to assist in getting the special stamp. The National Vocational Agriculture Teachers Association and the American Vocational Association assisted in the campaign by having hundreds of letters written to the Post Office Department, and to senators and representatives, asking for their help in obtaining a special stamp.

Senator Frank Carlson of Kansas introduced a bill in the Senate requesting that approval be given to the issuance of an FFA commemorative stamp.

This special stamp was issued during FFA's Silver Anniversary celebration.

Former Senator Harry Darby of Kansas, another longtime friend of the FFA, joined Senator Carlson and Assistant Secretary of Defense Roger M. Kyes, who in 1951 served as chairman of the sponsoring committee of the Future Farmers of America Foundation, in their efforts to obtain the stamp.

The Post Office Department announced in March, 1952, that it had approved the issue of a special stamp to commemorate the 25th Anniversary of the FFA. It was agreed that the first stamp would be issued in Kansas City on October 13, during the sessions of the Silver Anniversary Convention.

The presentation of the commemorative stamp by Assistant Postmaster General Albert J. Robertson, helped make the 25th Anniversary National FFA Convention one of the most memorable.

As the FFA observed its Silver Anniversary, the organization could be proud of its many accomplishments. Membership was the highest in the history of the organization and the FFA was in a good financial position.

The Future Farmers Supply Service, which is totally owned by the FFA, had been operating successfully for five years. Circulation of *The National FUTURE FARMER* had reached 150,000 within a year after the magazine was started. The FFA owned 28½ acres of land that had once been part of the original Mount Vernon estate of George Washington and was later to be used as the site for the National FFA Center.

The FFA Foundation had been in operation for nine years and had provided $650,850 in prizes and awards for FFA and NFA members.

Activities of the FFA included an exchange program with the National Federation of Young Farmers Clubs of Great Britain.

And perhaps most important of all, the FFA was operating under a Federal Charter which was approved by Congress and signed by the President. Later events were to prove this to be a most important document in preserving and protecting the FFA as the organization for students studying vocational agriculture in the public high schools of the country.

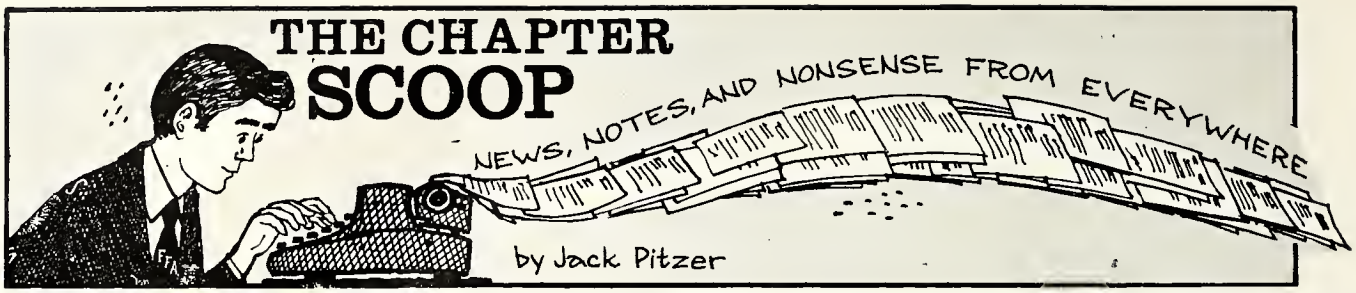
There were many words of praise for the FFA at its Silver Anniversary Convention in 1953. Perhaps Secretary of Agriculture Ezra Taft Benson said it best when he told the Future Farmers present:

"The future of American agriculture depends upon many factors. But most of all it depends upon you. You are agriculture's greatest asset. You are our hope for the future. Your character, your skill, your vitality, your understanding of agriculture's problems, your capacity to cooperate, your ability to lead—these will be decisive factors in the future of America."

One of the few.

The Marine Corps is the smallest of the major armed services. A few good men. A few dedicated women. But being small doesn't mean we don't offer what the other services do. We've got the works: educational opportunities, travel, and extremely valuable vocational training—in aviation, for instance. Plus an intangible: the unique way we Marines feel about our Corps. Maybe you can see it in the Marine on this page. But to really know it—to feel it gut deep—you've got to be one of us. Mail the card or call 800-423-2600, toll free. In California 800-252-0241.

The Few. The Proud. The Marines.



President **Martin Delgado** and Secretary **Grace Landers** appeared on Nancy Clayton's Farm and Ranch Report on KENS-TV in San Antonio, TX, representing the *Highlands* FFA there.

N-N-N

Principal Roggy was a guest at *Greeley*, CO, Chapter meeting.

N-N-N

Greybull, WY, FFA sold 2,522 pounds of seafood items as a fund raiser.

N-N-N

Turtle Leslie Applegate, named in honor of FFA's first national president, won the University of Maryland's homecoming turtle race. Leslie was the entry of *Collegiate* FFA and competed against all the big fraternity and sorority turtles.

N-N-N

Some members walked soybeans for an FFA money-making project. *Lake Mills*, IA.

N-N-N

One pumpkin vine of **Jim Brown,** *Barnesville*, OH, FFA'er produced 1,000 pounds of pumpkin.

N-N-N

Riverdale, IL, FFA accepted a job offer to shock 20 acres of winter wheat.

N-N-N

Winners in *Perry*, OK, Halloween party contest were **Russell Rupp** and **Eric Seeliger** as Batman and Robin; and **Ben Passow** as Dolly Parton.

N-N-N

National Honor Society members were special guests at a *Bloomfield*, NE, FFA meeting to observe parliamentary procedure.

N-N-N

The *Greenfield*, OK, FFA gang toured Brawm's Dairy Farm where they milk 2,500 cows; and the Producers Cooperative Oil Mill where they make cottonseed oil products.

N-N-N

BOAC Chairman **Jack Wright** of *Keytesville*, MO, FFA snapped his committee into action to provide equipment and manpower to dig out senior citizens snow.

The city wide barbeque of *Odessa*, MO, FFA served two-thirds of the folks in town. And earned the chapter $2,500.

N-N-N

Providing labor force to set up and take down chairs at Chamber of Commerce banquet earned bucks for *Springdale*, AR, FFA.

N-N-N

Battle Lake, MN, is replanting a grove of trees wiped out by fire. They were originally planted by FFA 12 years ago.

N-N-N

FFA won the inter-school club basketball contest (against Key Club, Junior Jaycees and the like) in *Dover*, FL.

N-N-N

Chapters in Section 20 in Illinois Association are having an informational meeting on how to start an alumni chapter according to Reporter **Hal Hudson.** Speaker will be J. Glyndon Stuff, past national FFA president from IL.

N-N-N

Even though the heaters went out in the greenhouse just before Christmas vacation, *Scappoose*, OR, has a good crop of tulips and Easter lilies for their spring sale.

N-N-N

All those FFA emblems on school lockers in *Windsor*, MO, are part of their chapter FFA WEEK celebration. Emblems mark the members.

N-N-N

Greg St. Hilaire, reporter for *Eisenhower* FFA in WA, says the chapter is building a new trailer for hauling livestock.

N-N-N

Crawford County in Meadville, PA, has a "game dinner" of raccoon, elk, muskrat and deer.

N-N-N

They're assigning a Big Brother or Sister to newly initiated Greenhands in *John Wayland* and *Turner Ashby*, VA, Chapters. Mostly seniors, the "Bigs" can help the freshmen with Supervised Occupational Experience Program work or planning, FFA involvement or school in general.

Grant, NE, FFA officers installed the officers of a newly formed *Madrid-Wheatland* Chapter.

N-N-N

Active FFA treated alumni FFA to a holiday meal in *North Iredell*, NC.

N-N-N

Chapters everywhere have been selling citrus—like *Gardendale*, AL.

N-N-N

When *Prague*, OK, members went out to judge lambs on the farm, there were only three. So an enterprising member got one of the farm cats as a substitute. It was an easy bottom of the judging class, but it didn't stay "set up" very well.

N-N-N

In *Buffalo Center*, IA, FFA bought a used deep freeze to store various meat cuts and crop specimens. They also plan to store colostrum for members and famers to use in emergencies for calves, pigs or lambs.

N-N-N

New recreation idea for *Windom*, MN, is broomball.

N-N-N

They've popped up $250 for the treasury of *Centennial*, OR, Chapter selling popcorn.

N-N-N

They raffle a saddle every year at homecoming dance to raise money for FFA in *Mountain View*, WY.

N-N-N

The pancake eatin' champ of *Banos*, CA, FFA is **Shelley Pimental.** Shelley beat 12 competitors by pigging down 27 cakes in under 30 minutes. Contest was held for the student body.

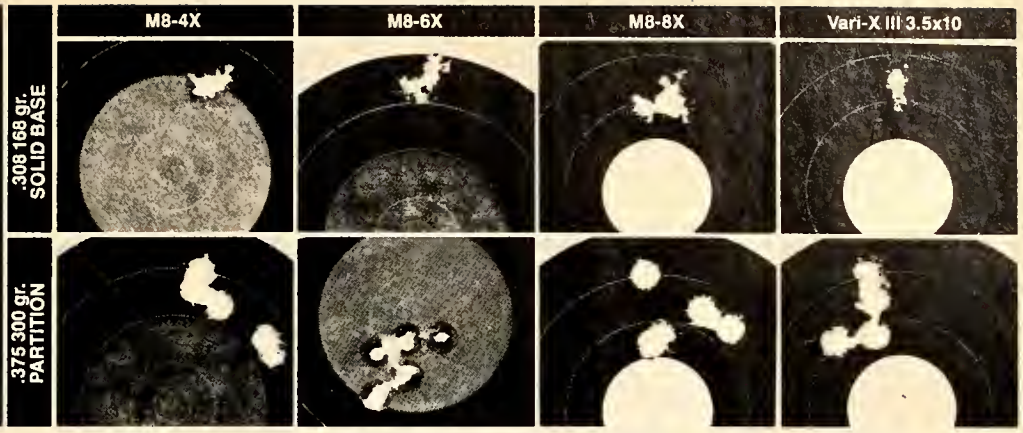
N-N-N

During an ice storm in *Prague*, OK, the "hottest" items around were ice sleds made in vo-ag shop. FFA'ers were the slippinest, slidinest bunch in town.

N-N-N

Out of 8,000 local chapters, there must be more chapter reporters that could spring loose with a 15-cent stamp and one sheet of notebook paper to tell us the News, Notes and Nonsense about FFA.

LEUPOLD/NOSLER PERFORMANCE
Five-shot groups using Nosler bullets and four different Leupold scopes demonstrate excellent accuracy attained in 100-yard shooting tunnel by Leupold Factory Service Department. Loading Data: .308 Win. 45.5 grs. H380, 168 gr. Nosler Solid Base Match. .375 H&H 76.5 grs. IMR 4350, 300 gr. Nosler Partition.



Leupold & Nosler Team Up to Prove Performance Pays in Scopes *and* Bullets

Which comes first in accuracy—the rifle, the bullet, the scope or the shooter himself? At Leupold Sights and its sister company, Nosler Bullets, the Factory Service Department turned up the perfect opportunity to find out. And, while we didn't resolve the old chicken-or-the-egg debate, the results are mighty interesting.

When Leupold scopes are returned by customers for suspected mechanical or optical defects, the Service Department routinely checks windage and elevation on a collimator and checks for tracking and parallax. On occasion, when normal procedures don't identify the reason for the customer's complaint, the scope is mounted on one of two factory target rifles, either a .308 Win. or a 30-06. Three 3-shot groups are fired at a single bench rest target. One group is fired at near center, then an adjustment of 3 minutes of right windage and 3 minutes of elevation is added, and finally 6 minutes of left windage is applied, giving the owner a good picture of his scope's performance.

Here's where bullet performance helped prove scope performance, and vice versa. For several years, surplus match ammunition manufactured by the Lake City Army Ammunition Plant was used to fire groups for scope testing, since this ammo had a long-standing reputation for accuracy at Camp Perry and other matches. The ammunition, 7.62mm (.308 Win.) with full metal jacket 173-gr. bullets, eventually ran out, so it was decided to reload the accumulated brass.

To get the same kind of accuracy, the cases were reloaded with Nosler Solid Base 168-grain H.P. Match Bullets. It seemed incredible, but group sizes shrank by *30 to 40 percent!* Remember, this means 30 to 40 percent smaller than heretofore very acceptable accuracy!

In one instance, a dealer sent four scopes in for suspected deficiencies, a 4X, 6X, 8X and a 3.5x10. He demanded at least ½-inch 3-shot groups. On the .308, the scopes and reloaded Nosler bullets delivered *5-shot* groups, all considerably *less* than ½ inch, with one group at .232"! The dealer insisted the .308 didn't have sufficient recoil to fully test the scopes, so all four scopes were mounted in turn on a pre-'64 Model 70 .375 caliber standard hunting rifle.

Nosler 300-grain Partition bullets were loaded and fired. Every 5-shot group was less than 1 inch. Since the groups were ½ to ¾ inch smaller than what are considered "good groups" for this cartridge in a hunting weight rifle, all four scopes were returned with no repairs or adjustments necessary.

As these tests demonstrate, we go to a lot of trouble to make sure Leupold and Nosler products deliver the kind of performance that pays off in tighter groups and more hunting successes. But as to whether it all starts with the scope or the bullet, it's back to the old chicken-or-the-egg discussion.

Target is typical of three 3-shot groups occasionally fired to demonstrate that Leupold scopes returned for suspected deficiencies are *not* actually defective. Only a very few scopes returned are found to need repair or adjustment. First group is fired near target center, second group 3 minutes right windage and 3 minutes elevation, third group moved 6 minutes left windage.

The Chicken-or-the-Egg Theory of Shooting Accuracy

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Partners in Performance

P.O. Box 688
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The FFA: A Star's Reflection

Pat and Debby Boone rest for a moment behind the scenes at the American Royal's FFA Day rodeo performance.

WHEN Pat Boone dismounted from his show-ending horseride around the American Royal arena, George Crutchfield of the Malta Bend, Missouri, FFA Chapter had already jumped from the stands and made his way backstage. Running past security guards, George peeled his jacket and headed right for Boone. The singer wheeled just in time to hear a winded George say, "I'd like you to have this."

With that, Pat Boone slipped on the only FFA jacket he'd ever seen close-up. A smile of satisfaction graced George's face and he disappeared into the crowd.

Pat and daughter Debby, who's making the Boone name a household word for a new generation, had just wrapped up their performance at the American Royal livestock show's FFA Day rodeo. The arena was packed mainly with Future Farmers, most of whom had made their way to the show following the Boones' appearance at a session of the 51st National Convention. To say the least, the crowd was receptive.

"I wish we'd had this crowd here opening night," Pat mused.

"They were so exuberant!" acknowledged Debby, still in a post-performance whirl. "I love a young audience. They're closer to my age. We usually work lounge shows and theaters but I enjoy rodeos the most."

The 22-year-old winner of the Grammy award for "You Light Up My Life" excused herself politely to catch her favorite event, bullriding.

Pat Boone achieved fame at an early age in records and film. He's used to being in the spotlight, be it from serving as student body president of his high school, from selling more than 45 million records or from starring as an actor and writer. He's also used to being called square.

"Debby and I can relate to farmers," he says. "Some people call us square because we live by basic moral values, just like farmers. People may laugh and make jokes about us but our square way works."

Not unlike many folks who work the land, the Boones enjoy a sound, happy family life. Twenty-five years of marriage to wife Shirley, four healthy daughters and a strong Christian commitment are evidence that Pat's way does, indeed, work.

"You can't ignore the basic structure of things," he reasons. "Future Farmers have a sense of values, live by the basic rules of life and know how to harness their energies. They know their Creator and know they can't get around His way. Farmers are the first to say 'Without Him, it won't work.' "

Inspiration to achieve has hit Pat in many forms. He offers three occasions that impressed him the most—a small-town parade with the whole community working and laughing together, the Soapbox Derby where "kids from all backgrounds, all of them winners, were competing" and finally, "the National FFA Convention. There I saw young people who are self-reliant, who achieve, conform and innovate. They 'do their own thing' but don't stray from their values."

Suddenly remembering the young man from Malta Bend who had surrendered his jacket, Pat expressed concern about returning it. The singer had asked a flurry of questions regarding the jacket's insignia—emblems which included a small pin centered above George Crutchfield's name. A silver cross was chained loosely to an FFA officer pin; George was a chapter chaplain.

As Boone's manager beckoned him to prepare for the next show, the entertainer gave a wait-a-minute gesture and summed up his latest, blue-jacketed audience: "They're not just the future for farmers in America, they're the future for everybody."

Debby Boone, a rising young singing star, completing her show-ending ride.

Quick-Change Artist.

When it comes to all-around performance, nobody out-performs Suzuki.

Case in point:
The TS Dual-Purpose Bikes.

These well-built machines are ideal for families who enjoy riding around town or the toolies. Because all four (TS-100, 125, 185, 250) are easy to ride, easy to service and all are easy on the family budget.

And, of course, all are equipped to handle open roads or open spaces with ease.

For instance, each is powered by Suzuki's proven Power Reed™ engine. Which delivers smooth power for street cruising and low-end power for mountain climbing.

Other neat features include adjustable laid-down rear shocks, tucked-in exhaust pipe, primary kick starting and street-legal lights and instrumentation. Also, the TS-185 and 250 now come with leading-axle longer-travel front forks for better control.

So you see, these bikes are built to go beyond the call of double-duty.

Now you know why the TS Dual-Purpose Bikes are among the world's great performers.

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Ride with care: wear protective apparel and help protect the environment. Member Motorcycle Safety Foundation.

An American Success Story ...the FFA Way

Its faded fabric reflecting years of FFA involvement, the jacket unfolded by Ernesto Zamudio calls forth thoughts of facing and overcoming cultural handicaps. From left, brothers Gilberto, William, Ernesto and Frank.

Three of Arizona's best young ag teachers began their lives across the border.

by Gary Bye

THIS Saturday night was special for Jesus Zamudio. His oldest son Ernesto had just graduated from the University of Arizona seven days before. His son Gilberto and daughter Angelina had received their high school diplomas. His youngest son Frank had also just graduated from the eighth grade. To make the evening even sweeter another son, Lindy, was home on leave from the Navy.

It was time for celebration. Yet as the middle-aged farm worker eased into his chair that evening, he consciously brushed an unexpected tear from his eye. He had no time for sentiment or celebration he thought, tomorrow was another work day.

The following morning, Jesus Zamudio was killed in a tractor accident. Though tragic, his sons and daughter took solace in their belief that at the time of his death in 1973 he was perhaps happier than he had ever been before. His life's goal had been achieved. He had bettered his family's life.

They had begun in a tiny village in Mexico. As a poor farmer with a first grade education Jesus Zamudio worked only for survival. With six small children he knew life would be difficult. The prospect of work in the United States drew him like a magnet.

He crossed the border first in 1958, and worked as a common farm laborer. He had a lust for work and seemed driven to improve himself.

His farm boss in Arizona recognized his ambition and encouraged him to return to his farm. So in 1961, Mr. Zamudio applied for permission from the U.S. government to bring his family with him. His request was denied because he did not earn $300 per month, the minimum required for a family of eight.

Learning this, Zamudio's boss went to the authorities and persuaded them to allow the family to migrate. He built them a one-room house from used ammunition boxes and supplied them with milk, beans and flour.

"It sounds rough," says Gilberto Za-

mudio about their early days in this country, "but we were just very happy to be in the United States. Our boss treated us as best he could since he wasn't a rich man either."

Today, the children of Jesus Zamudio can talk about lives filled with successes far beyond anyone's expectations. Ernesto, Gilberto, and William are successful teachers of vocational agriculture in Arizona. Frank, the youngest who just graduated from high school, works as an intern for the Farmers Home Administration.

The two remaining Zamudio children are married and successfully employed. Angelina works for the state employment agency. Lindy, the only son not employed in some field of agriculture, lives with his wife in Australia.

Each of the Zamudio family credits their father for teaching them how to work. And to push for something better out of life. "Every time he'd catch us sitting down he'd put us to work. He taught us to enjoy manual labor and the rewards it brings," says Gilberto.

The Zamudio sons did seem to inherit their father's will to work. Ernesto, more than the others, had to overcome the obstacles of a cultural change. He was already in the sixth grade when they migrated. He knew no English, yet enjoyed school and wanted to learn.

By the time he was a freshman at Elfrida he was competing for grades successfully with the others in his class. "When I started high school I was enrolled in a typing class. I didn't even know about vocational agriculture. Then I noticed the FFA jackets around school and started asking questions. I transferred over into ag class right away. But I was already behind and found myself again trying to catch up."

Never one to give up, Ernie dove in. FFA seemed to give him an avenue to tunnel his ambitions. Once familiar with FFA opportunities he was determined to succeed. He worked his way up the degree ladder, earning Arizona's FFA State Farmer degree in 1968.

Biggest of all obstacles for him was language. Yet, he recalls proudly his time on the FFA parliamentary procedure team. "My English still wasn't too good," he says. "I could tell some of the other boys didn't think I belonged. So I worked that much harder to prove I did."

His competitive effort proved its value when the team placed first in district competition. They did so largely because of their ability to use sound logical debate. Ernesto says he was so conscious of the need to carry his weight he talked more than any of the others on his team.

Ernie went on to earn the state FFA proficiency award for Placement in Agricultural Production doing what he knew best—farm work—summers, weekends and after school. His father made sure he was working.

Soon after graduation however, his father's insistence on work became a subject of contention. Ernie wanted to go to college. He didn't know exactly why—but he knew somehow it would make him a better man. His father said no.

In this case, Ernesto backed by his father's boss won out on the stipulation that he would come home on weekends and vacations. Ernie laughs as he remembers his freshman year. "They asked what my major would be. I didn't know what the word meant. Then, when they explained, the only thing I knew was farming and FFA. I automatically became an ag ed major."

Four years and numerous part time jobs later, he earned his degree. The jobs gave him much needed practical experience for teaching. He had worked at a cotton gin weighing trailers. Another time he had worked for the National Park Service caring for roads and trails and doing janitorial work. Later he did a stint at a gas station. And finally, by his own admittance, he worked in the most valuable job of all, for a university extension agronomist.

"I had to translate magazine and newspaper articles from Spanish to English," says Ernesto. "I was forced to read. It was the best thing that ever happened to me."

The other three Zamudio brothers, Gilberto, William and Frank (in order of age) had no less a challenge. However, they had twice the support in their FFA efforts.

"Not only did we have our father, we also had Ernesto telling us how hard to work," says Gilberto. "He made sure we knew what FFA awards were available."

Gilberto was the chapter's Star FFA Greenhand, won the chapter public speaking contest and won the state proficiency award for Placement in Ag Production. His senior year he became the first Zamudio to be elected to a state FFA office as treasurer. And in 1974 he was awarded the American Farmer degree.

William Zamudio followed his elder brothers' experiences. He duplicated Gilberto's winning list and added to it by competing successfully for a state proficiency award in Agricultural Electrification and a national proficiency award for Placement in Ag Production. He too served as state FFA treasurer and earned the American Farmer degree.

Even Frank, the baby of the family, got into the act. His uniqueness in the winning column came when he was named runner-up for the state's FFA Star Agribusiness award. He was chapter president, chapter Star Farmer and a regional FFA proficiency award winner.

Despite their success as Americans (they each received their citizenship following their eighteenth birthday), the family members still try to return to their home village in Mexico at least once each year. They still have several uncles and their families who live there.

"Things haven't changed much in Colonia Morelos Sonora," says Gilberto Zamudio. "They still use horses to pull their plows and do field work by hand. And the town does not have electricity or modern conveniences."

The American Zamudios consciously avoid interfering. However, speaking as an agriculture teacher, Gilberto grimaces at the need for vocational training for the farmers. "They could produce so much more by changing a few of their techniques," he says, adding that someday he may try to set up some kind of vocational program for his family's people.

Today though, Gilberto is teaching in Arizona's oldest chapter, Peoria. "They have a strong history, but need to improve on the Supervised Occupation Experience Programs," he says.

Gilberto is faced with an ironic situ-

(Continued on Page 65)

The birthplace for Ernesto, Gilberto, William, Angelina and Lindy Zamudio.

FFA IN ACTION

THE JOYS AND DISCOMFORTS OF AN AGRICULTURAL LIFE

Max Bischoff, a member of the Powell, Wyoming, FFA Chapter knows what it takes to be a winner, a national high school rodeo champion. He earned this right to be called a champion saddle bronc rider at the 1978 National High School Rodeo finals, July 31-August 7, 1978, at Huron, South Dakota.

To get to the finals Max had to do a lot of practicing including discomforting falls. "I rode in 21 high school rodeos and 9 Wyoming Rodeo Association rodeos. I grew up with riding horses. I've always had the opportunity to ride with the Bischoff Land and Livestock Company, really the first rodeo I rode in was in the eighth grade."

Since that time the accomplishments of this young rodeo champion have been impressive. Max has earned the Reserve Champion Saddle Bronc Rider title in North America, Reserve Champion Saddle Bronc Rider in Wyoming and third place winner in the Bull Dogging event in the state of Wyoming.

These accomplishments were possible because involvement is an important part of this FFA member's life. Max started his vo-ag instruction in the fall of 1976, served as Greenhand president, helped with the chapter banquet, was elected third vice-president at the end of his sophomore year, is currently serving as second vice-president because of an officer vacancy and served as official chapter representative to the National FFA Convention.

Breeding beef was a natural choice for a Supervised Occupational Experience Program when Max started vo-ag. Being a part of the Bischoff Land and Livestock Company with holdings in northwestern Wyoming and south central Montana provided him with grazing land and opportunities to become involved with the cattle industry. He started his breeding beef program with Hereford/Angus crossbred heifers and has increased his herd to seven cows. Each fall he has sold the steers and reinvested the money back into his projects. To supplement his education and SOEP he works as a veterinarian assistant for his dad who is a local veterinarian.

It's fun and falls that lead to the high school rodeo championship title.

As the son of a veterinarian, Max has had the opportunity to learn about the care and treatment of animals. In taking advantage of the opportunity, Max has helped his dad in many jobs, from operations to office work.

BRING THE INSIDE TO THE OUTSIDE

Twelve acres of a wooded, grassland area close to the Little Falls, Minnesota, High School have been set aside to bring the classroom outside. The FFA chapter has named this area "The FFA Nature Trail Area" and taken the lead in making it a truly useful area.

In the wooded area, there were 42 trees stricken with Dutch Elm disease. Advisors and members took two days and removed the trees as a community service project for our chapter. Removing the trees consisted of advisors cutting down and cutting up the trees while members piled and loaded them to be hauled away.

The FFA Nature Trail Area has about 1,000 feet of trails which were constructed by members during the past summer. The trails go through both the lowland and upland wooded regions which make up part of the area.

Four soils pits have also been constructed. The pits help to teach FFA members and students about the soil and soil formations. They are also used as demonstrations for practicing for the land and soils judging contest.

The open grassland area is just right for the outdoor classroom. Logs have been split to make benches used to seat 30 students plus a blackboard for the teachers' use. *(Julie Deering, Reporter)*

A POUND FOR EVERY YEAR

The advisors and chapter president of the Bloomer, Wisconsin, FFA haul out the chocolate candy bar manufactured in their honor as the top chapter in the state.

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FFA IN ACTION

(Pick up the ACTION from the Previous Page)

A USEFUL SIGN

One of the North Iredell Chapter's public relation projects was to erect a sign at the school entrance directing adults and visitors to the agriculture department.

The lefthanded, two-horse, Oliver 13 plow was donated by a local farm machinery dealer. Agriculture students painted the plow, provided for the stand and ordered the sign from the Supply Service. This made a very attractive sign and provides an excellent location for photographing judging teams and small groups, that participate in the FFA. *(David Nicholson, Reporter)*

VISITORS WELCOME

Aubin Roger stood in the corral behind a home on a small farm in west Pasco County, Florida, and compared the surroundings with what he'd expected to find in America when he left his home in Scotland.

"From television, you get the impression that everything is like the middle of New York with Kojak running all around," he explained.

Instead of a bald policeman brandishing a lollipop while chasing robbers through crowded, dingy city streets, Aubin said he found "hospitality," wooded areas, wide open spaces and farming techniques similar to those he left nearly 6,000 miles behind in the Fife region of his homeland.

The 25-year-old Scottish farmer made the trip to the United States as part of an exchange program between the Future Farmers of America and the Scottish Association of Young Farmers.

"I'm really enjoying the trip," Aubin said. "It's good that the organizations in different countries can get together like this."

Aubin said his family has been involved in agriculture since the year 1425. He and his father run an 800-acre farm near Cupar, a town of about 6,000 in central Scotland where "much of the land area is mountainous."

Although farming goes back centuries in his family, Aubin said he didn't choose agriculture as his career until he graduated with a diploma of higher education after 16 years of schooling. He nearly became an engineer, he said.

"It wasn't insisted that I take up farming as a career," he explained, but eventually, "the bug got hold of me."

The 800-acre Roger farm has between 300 and 400 head of cattle. About 500 acres of the farm are used for growing grain, 120 acres for vegetables, the rest for grazing.

About seven years ago, Aubin became involved in the Scottish Association of Young Farmers. In 1977, he was the local club president. His participation in that club, coupled with his leadership and speech making ability, made it possible for him to be chosen for the exchange program.

The trip was Aubin's first to the United States. His first stop was Washington, D.C., where he met President Carter during the State Presidents' Conference.

The Hudson Senior FFA in Brooksville, Florida, with a membership of about 30, sponsored Aubin's stay here. He lived on a small farm just off Moon Lake Road with the Lowery family.

The Lowery farm is typical of those visited by Aubin. Floyd Lowery is an electrician by trade. The farm has cattle, chickens, hogs and horses. Some of the land is used to grow produce.

Aubin's host, Warren Lowery, 16, a member of Hudson FFA, plans to become a veterinarian. He said the visit from the Scottish farmer is as much a learning experience for him as it is for Aubin.

"It gives us an idea of what agriculture is like over there," he explained.

Aubin returned to Scotland in November after he attended the National FFA Convention in Kansas City.

The Hudson Chapter was also involved in FFA's International program when their president, Donna Ward, spent three months in Austria last year. *(Jim Lamb for* Tampa Tribune Times)

PRESIDENTIAL VISIT

National President Mark Sanborn met with Dr. John Oswald, president of the Pennsylvania State University, during Mark's experience program in the state.

FACTS FOR ACTION

Guide to Good Eating—A Recommended Daily Pattern

The recommended daily pattern provides the foundation for a nutritious, healthful diet. The recommended servings supply about 1,200 calories. Adjust the size of servings as needed for growth, energy and to maintain desirable weight.

Milk Group—3 servings/child; 4 servings/teenager; 2 servings/adult

Foods made from milk contribute part of the nutrients supplied by a serving of milk.

Meat Group—2 servings

Dry beans and peas, soy extenders and nuts combined with animal protein (meat, fish, poultry, eggs, milk, cheese) or grain protein can be substituted for a serving of meat.

Fruit-Vegetable Group—4 servings

Dark green leafy or orange vegetables and fruit are recommended 3 or 4 times weekly for vitamin A. Citrus fruit is recommended daily for vitamin C.

Grain Group—4 servings

Whole grain, fortified, or enriched grain products are recommended.

ACTION LINES

- Create an FFA T-shirt at one of those do-it-yourself shops.
- Go visit a Future Farmer in another state.
- Give your sister an FFA locket.
- Talk your dad into eating an avocado or crab cakes.
- Volunteer to go out for soft drinks.
- Plant some bright red or yellow flowers around the machine shed.
- Learn to play the piano.
- Visit a meat cutting plant.
- Teach a Sunday School class of kids.
- Ride with the fire chief.
- Insist on proper recitation of the Pledge of Allegiance.
- Try out for a different judging team this year.
- Put a pretty picture in your room.
- Give the banker an FFA cap.
- Improve your driving habits.
- Give your advisor an FFA travel bag.

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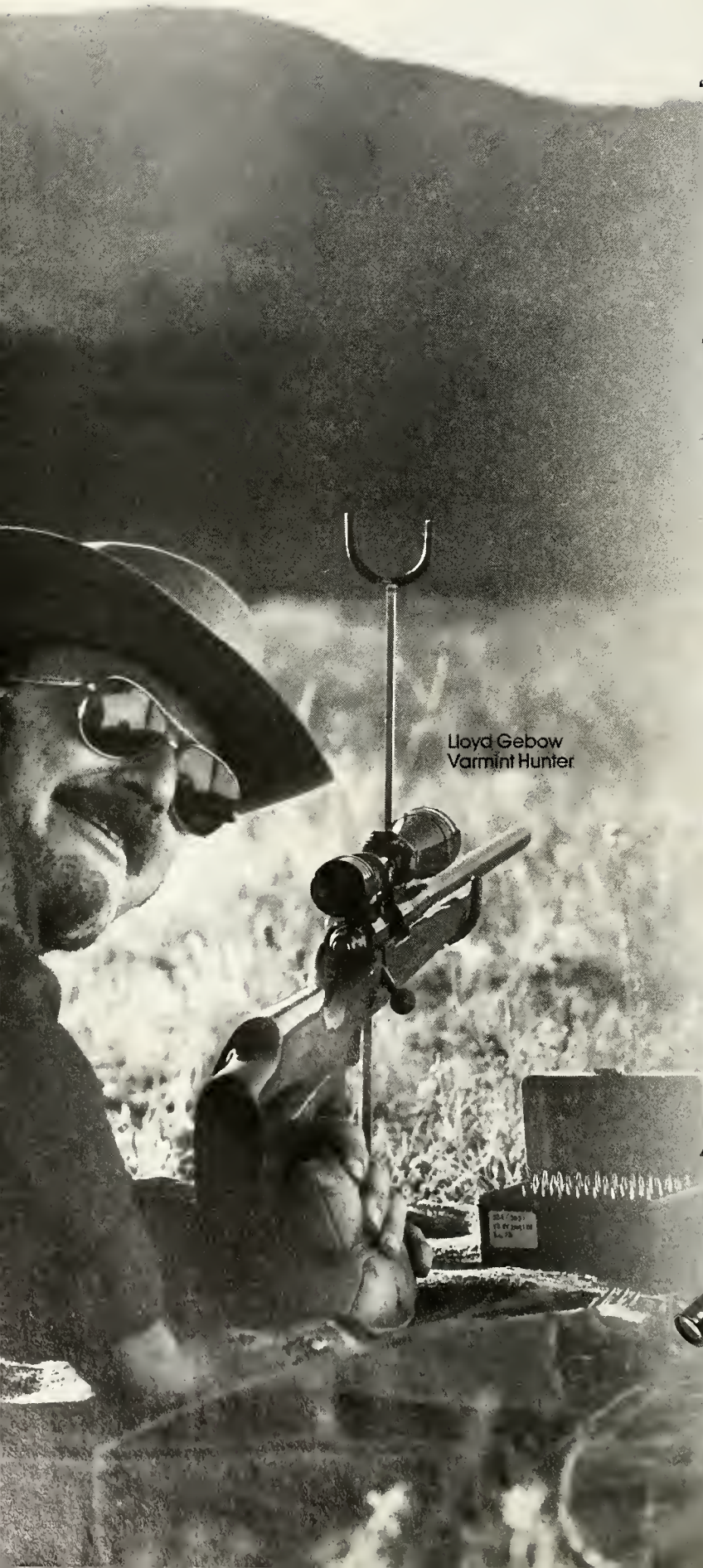

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ROUND ROBIN RESULTS
Silver Spur Ranches donated this steer to winner of the Wyoming FFA Alumni sponsored showing contest. Jack Stewart of Douglas Chapter was the winner.

TRACTOR SAFETY IS A CAPITAL IDEA

The FFA and Lacey Equipment combined efforts and put together the first annual evening Tractor Safety Clinic held at Capital High School in Olympia, Washington.

The clinic started by showing a movie discussing tractor upsets, operating safety, implement safety operation, maintenance and accident prevention. After the movie was shown, a discussion followed with examples given by the audience.

Mr. John Powell, owner of Lacey Equipment, took everyone out into the shop and took time to go over the parts of the tractor and where you must be careful when operating a particular part on the tractor.

There was also a demonstration given on a small garden tractor including all the new safety features.

The clinic closed with people getting actual driving and operating experience on both the garden tractor and the large tractor.

MONEY MAKES PROGRESS

Blackwell, Oklahoma, Chapter received a $500 grant from the Oklahoma Rural Rehabitative Service, a state agency, for improvement in the local community.

The money will be used to improve the junior livestock building at the fairgrounds. Immediate plans are to repair existing facilities and build new pens at the north end of the building behind the tiers of seating. Makeshift pens have been used heretofore.

Three-year plans call for repair of windows with some type of permanent material, adding more electrical outlets, additional washing rooms and some type of heating for the center area of the building.

According to Advisor Jim Jenkins the money will be matched by private donations, the City of Blackwell and the Kay County Fair Board funds. The grant is part of the "Building Our American Communities" project. *(Sharon Burch, Reporter)*

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FFA's Wartime Leaders

Memories of the FFA's national presidency are shared by these two California agriculturists—memories that recall a nation at war.

By Gary Bye

A GENERATION of blue-jacketed FFA members has journeyed to Kansas City since the guns of World War II were silenced. Still, Marvin Jagels and Robert Bowman can recall the wartime FFA conventions like they were yesterday.

Jagels and Bowman were responsible for running those conventions. Jagels served as National FFA President in 1942 and 1943, before turning the president's gavel over to Bowman the following year.

Both men now reside in California's San Joaquin Valley. Jagels is the general manager for Kamprath Seed Company in Bakersfield. Bowman is a diversified farmer 70 miles north of Bakersfield near Corcoran.

That World War II had a profound effect on their lives is an understatement—the war affected almost every young man living in our country at that time. But the wartime activities of Jagels and Bowman were unique. And the effect the war had on their personal lives is profound.

When war broke out in December of 1941, Marvin Jagels was attending high school in the small town of Buhl, Idaho. His family owned a small diversified farm with irrigated crops, dairy cattle, swine and poultry. Marvin dreamed of becoming one of the first persons in the community to attend college. When the war broke out he was just as eager to volunteer. Instead his older brother went to war.

Marvin was classified 2-C by his draft board, a classification that required him to stay home to help run the farm. Being left home to farm meant fighting a different kind of battle.

"All the farms were short handed at the time," says Jagels. "It took a tremendous effort by the farm families who stayed home to keep production at a high level."

Jagels notes that during those years on the farm, the work schedule ran seven days a week from dawn to dusk. During one busy season he worked 72 hours straight without stopping. Even the women on the farms were expected to do their share of farm work.

The war effort and lack of available labor also led to necessary streamlining. The Jagels farm, according to Marvin, had the first walk-through dairy parlor in Idaho.

(Continued on Page 64)

The Bowmans sometimes dust off the old FFA scrapbook for another look at Robert's term as 1944 National FFA President. FFA had an impact on his life.

Leaders

(Continued from Page 63)

Bob Bowman faced similar circumstances. Seventeen years old at the time of Pearl Harbor, Bowman and his mother inherited full responsibility for his father's farm, when the elder Bowman rejoined the Navy. The farm consisted of 16 sows, 100 chickens, a few dairy cows, 10 acres of cotton and 5 of grain.

Bowman, at least on paper, was prepared for the responsibility. He was FFA chapter president of the nation's largest FFA chapter at Bakersfield High School. He also was to become California's State FFA President and public speaking winner. A livestock showman, he had shown many champions including the grand champion pen-of-three swine at the Cow Palace.

Both Bowman and Jagels speak fondly of their time as national officers even though much of the glamour of the office had been reduced by the hardships of the war.

"Air travel was out of the question," says Jagels. "And because there were so many troops and families moving across the country, our FFA travel was a low priority item. In fact, I probably spent more time riding in the men's restroom or sleeping on suitcases in the vestibule between rail cars than in a seat," he adds.

Bowman agrees. "The trains were always hot and crowded, so you'd open a window for air and then get covered with soot from the locomotive. I'd arrive at a state convention looking like a coal miner on his way home from work."

The National FFA Conventions during the war years were cut to skeleton proportions compared with today's monstrous affairs. Often there were only a few delegates from each state. Bob Bowman recalls that the Star Farmer award was given at one convention to the recipient's wife—her husband had already been called away to war. However, the importance of the business by those who could attend a convention overshadowed their meager numbers.

Bowman reads from his worn FFA scrapbook: "The FFA members helped sell war bonds worth $4,869,000. They collected 209 million pounds of scrap metal, 10 million pounds of rubber and 21 million burlap bags. Victory gardens, grown to produce food for the war effort, were raised by FFA members and chapters. Nearly 70 thousand acres were tilled by FFA members left at home."

At one state convention, in a typical war-time speech, Bowman prompted FFA members "to put in longer hours on the farm, to increase production and to stay on the farm until called into the service."

For Bowman, the words were prophesy. Three months following his final FFA convention, his induction notice was dropped into his mailbox. Ironically, on his departure from San Francisco to Japan, he met his father who was returning from the war.

Jagels too, found his way into the service after his FFA term in office expired. As a volunteer he was sent to the Far East as a member of a military intelligence group to handle the movement of refugees.

"In that kind of activity you learn to trust no one but your own mother and to always sleep with one eye open," says Jagels with a serious smile. "It seemed like I became ten years younger when I returned home from Manila to go to college," he adds.

Jagels and Bowman enjoy reminiscing about their college days. Bowman was elected student body president of California Polytechnical Institute at San Luis Obispo, while Jagels fell just short in his bid to become student body president on the Bull Moose ticket at the University of Idaho.

Following his education Bowman returned to farm with his father. He has farmed ever since—a total of 27 years. His farm holdings have grown from 60 acres in 1950 to 2,300 acres on which he now raises cotton, wheat and rice.

He married one of the college librarians at Cal Poly and later became the father of five attractive daughters. They all played active roles in the operation of the farm, according to their father.

Jagels, on the other hand, never realized his dreams of returning to the farm. When he joined the service, his brother took over the family farm and was still running the operation when Marvin graduated from college.

Instead, to stay close to farming, Marvin became a county extension agent in Latah County, Idaho. In two years he had doubled the size of 4-H membership in the county. However, his activities were cut short when he was recalled to the service to serve a three year hitch in Germay, again working with refugees flooding out of the communist countries.

When Jagels returned from Germany in 1957, he became an agricultural representative and district appraiser for the Bank of America in California. Then in 1961, he joined the seed company which he now manages. The company markets a variety of crop seed and develops new crop varieties of barley, oats and alfalfa.

Separated from his wife a few years ago, Jagels is now raising two sons, 14 and 18 years old who are active in 4-H and FFA. They live on a small farm with 400 citrus trees which Jagels says has partially salved his life-long yearning for farm life.

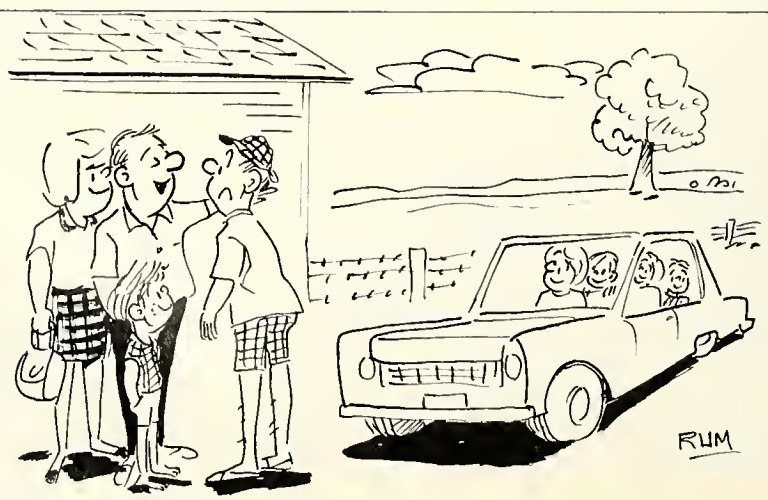
Looking back on their own experiences, what do these men have to say about the FFA?

Jagels says, "FFA helps to give a person a certain feeling of accomplishment and pride of self worth. This was particularly true for me during the war. Being a National FFA Officer also makes you feel like you have an awful lot to live up to."

Bowman agrees, "FFA can have a real impact on a young person's life. It is a process of building. It gives you a better outlook and for me a better feel about the whole business of farming."

"In our generation, by virtue of the fact we were poor and there was a war going on, we were going to work hard. We were striving for something better," says Bowman.

"Today, however, most kids have grown up in an affluent society. Perhaps FFA is more important for them, to help them understand that it is not enough having a lot of material possessions. It is more important to set personal goals and work to reach those goals. That is what FFA is about."



"Sure you can picnic under my tree. We were just heading into the city and while we are there, we'd like to use your swimming pool."

Having amassed many laurels during their years in the FFA, the Zamudio brothers are accustomed to setting high goals and working diligently to succeed.

American Success

(Continued from Page 51)

ation at Peoria. Of all his FFA members only one is Mexican-American. "There are several Mexican students in school, yet most of them look on agriculture as a subject to avoid. They relate ag to migrant field labor. However, most of the job opportunities they will have will be agriculture." For that reason, Gilberto is working to break the stereotype, using his own example when necessary.

Ernesto, on the other hand, works entirely with a minority group. He coordinates a federally funded economics stimulus program on the Colorado River Indian Reservation.

His students are mostly adults from various Indian tribes who have previously dropped out of traditional education programs. The program has acquired enough acreage to allow students to train for agricultural occupations.

Students are placed in working situations each afternoon after a morning of classroom instruction. "Above all I try to teach them responsibility," says Ernesto with conviction. "They must be to class on time. If they miss class for over three days they are out of the program."

William is in his first year of teaching at Douglas, Arizona. He chose a vacancy near his home, partially so he could live and care for his mother.

The position is a challenge, since he replaced Frank Adams, a veteran teacher known for his strong FFA chapters. "Our community support is terrific," says William. "I'm trying to build on the successes the chapter has already achieved."

All three teachers say their knowledge of two languages is beneficial in their teaching situations. They say it helps in working with their Mexican-American students.

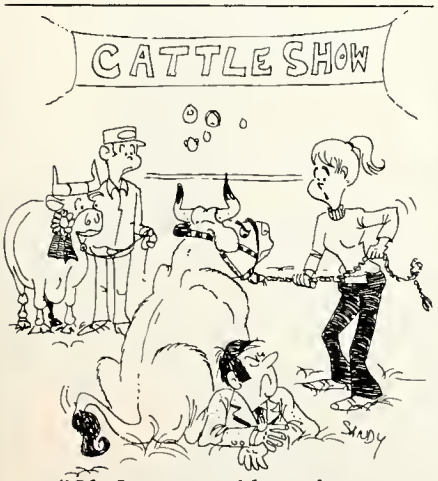
They are also aware of the role they play in setting an example for young people. Gilberto Zamudio says, "It shows the minority students that despite their differences with language and culture, they can succeed."

All of the Zamudios worked, like their father taught them, to make their own way. They spent hours at manual farm labor and janitorial jobs to get where they are today.

Still, Gilberto says, "Our opportunities were even greater than some of the non-minority students. Many grants and scholarships exist. The challenge comes in finding them and taking advantage of them."

He adds, his voice tinged with emotion, "I am a Mexican by race and I'm proud of that. I don't try to hide it. With honest effort we can succeed in the United States as well as anyone. It really hurts me when minorities in this country complain about their treatment, because we have been treated very fairly."

There are, of course, still dreams ahead for the family. They all agree they'd someday like to own their own farm. That was their father's dream.



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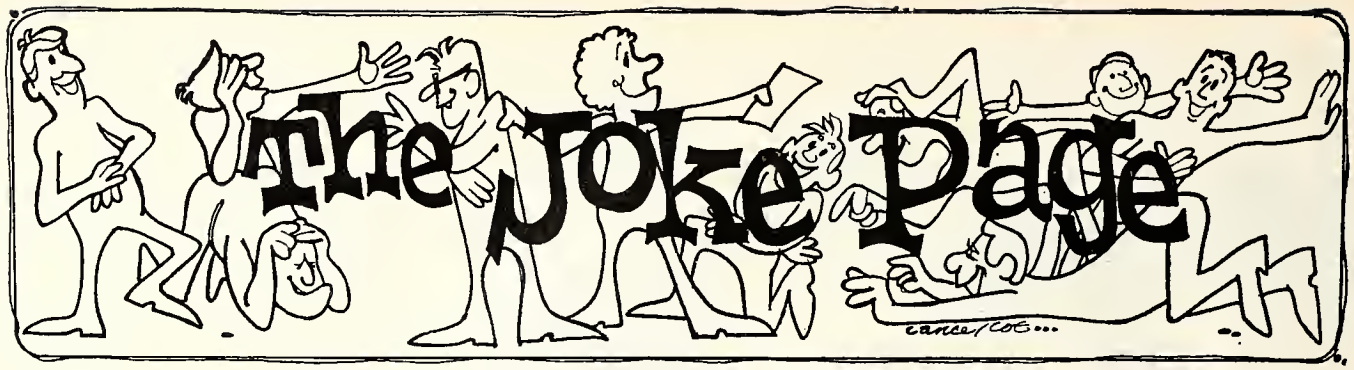


Teacher (on telephone): *"I'd like to talk to you about your little boy."*

Mother: *"Nothing doing. I had him all summer and not once did I call you."*

Thomas LaMance
Modesto, California

"By George, he made it!"

Out of the blue, the farmer started complaining about headaches, backaches and shooting pains. Finally, he figured out the cause of his miseries.

"A couple of weeks ago," he told a friend, *"my wife redecorated with ultra modern furniture. Today I found out I've been sitting in the wastebasket."*

Bobbie Mae Cooley
Bowen, Illinois

A man was having trouble getting along with his family, so he went to a doctor to see if he could do anything for him. The doctor told him to run ten miles a day for one week and then call him back and give him a report. One week later the doctor got a call from the man.

"Well," said the doctor, *"has your relationship improved?"*

"I don't know," replied the man, *"I'm 70 miles from home!"*

Todd Sinn
Haviland, Ohio

Overheard at an auction sale: *"Sold to the lady with her husband's hand over her mouth."*

Linda Godby
Liberty, Kentucky

First magician: *"What's your most difficult trick?"*

Second magician: *"Sitting in a tub of gasoline and striking two matches."*

First magician: *"What's so hard about that?"*

Second magician: *"Striking the second match."*

Oran Nunemaker
Morland, Kansas

Customer: *"Waiter, I can't find any oysters in this oyster stew."*

Waiter: *"Well, you wouldn't expect to find any angels in an angel food cake, would you?"*

Thomas LaMance
Modesto, California

"If my speech seems especially long," concluded the guest speaker, *"it's because I left my watch at home and there isn't a clock in this room."*

A voice from the audience remarked, *"There's a calendar behind you."*

Irdsia Brown
Liberty, Kentucky

The local weatherman was wrong in his forecasts so often that he was embarrassed and applied for transfer, stating as his reason: *"The climate here doesn't agree with me."*

James King
Montague, Michigan

A canny farmer was approached by a stranger one day and asked, *"How much is that prize Jersey heifer of yours worth?"*

The farmer thought for a moment, then asked, *"Are you the tax assessor, or has she been killed by a truck?"*

Chuck Sukut
Sisseton, South Dakota

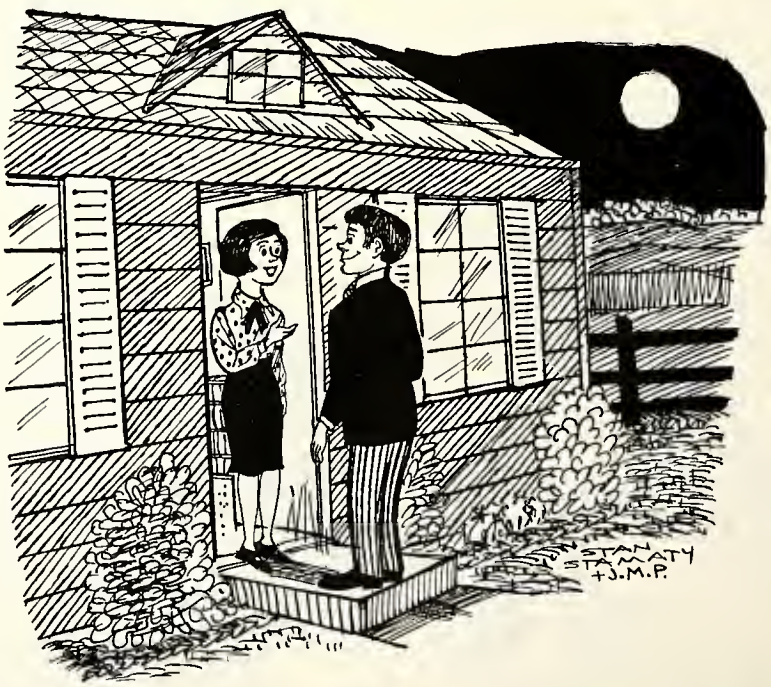
"What is your job?" asked the cannibal chief.

"I am editor of the city paper," replied the captive.

"Good," smiled the cannibal, *"Tomorrow you will be editor-in-chief"!*

Susan Keith
Centerville, Ohio

Charlie, the Greenhand



"It was really a fun evening Charlie—except for helping you figure the feed conversion on your broilers."

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Rex Allen, Jr.

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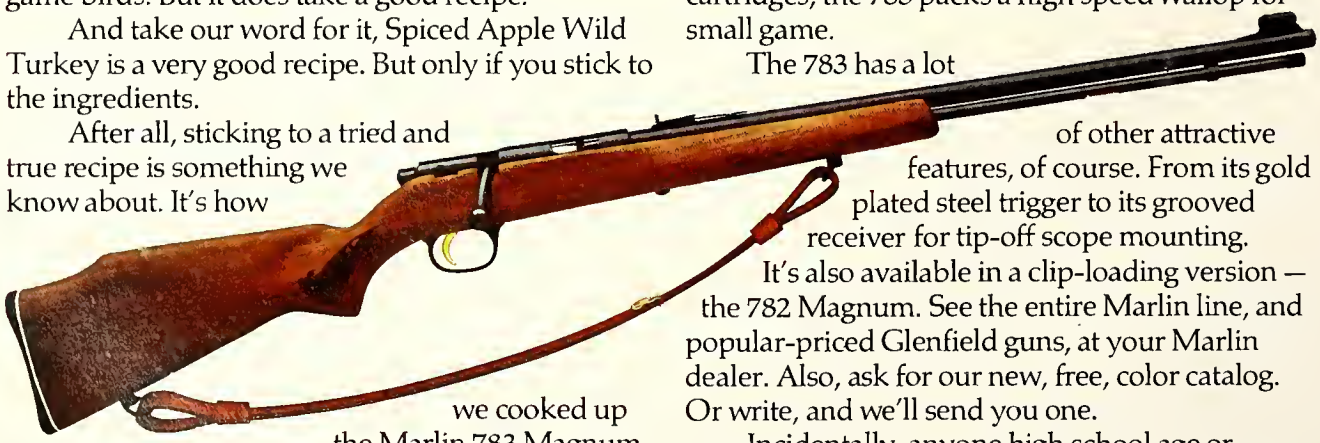
After all, sticking to a tried and true recipe is something we know about. It's how we cooked up the Marlin 783 Magnum.



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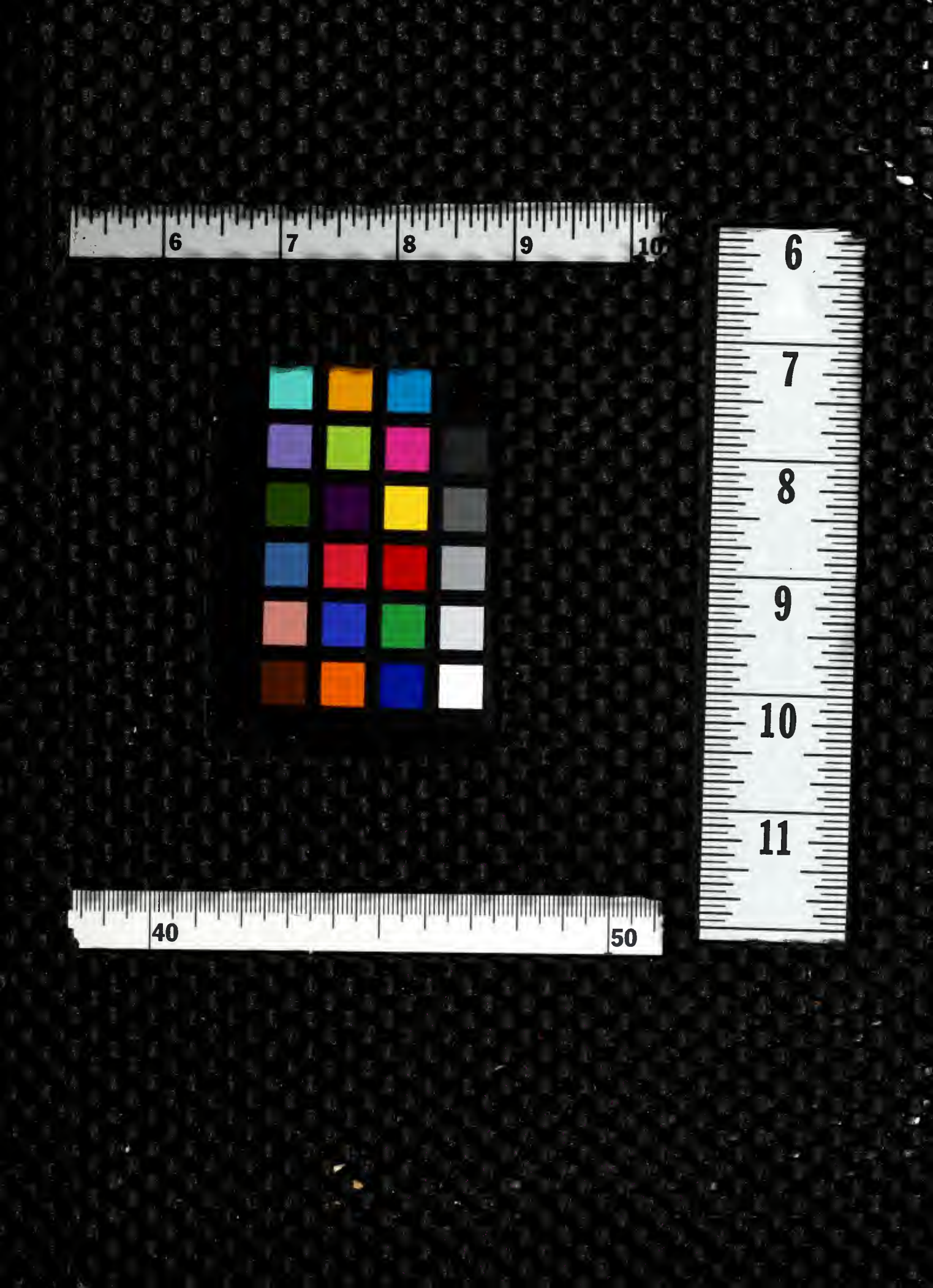
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